

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

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## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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### Material Name

WEBCOL/Curity Alcohol Prep Pads

### Trade Names

5033, 5110, 5750, 6818, 6818-1, 63001, 15033, 16818, 176818, 20339, 681812, 6818-2, 7MJ46621, 7MJ36339, 7RA58200, 7RA71200, 7RI43405, 7R145719, 7RI45720, 7RI45721, 7RI45722, 7RI82380, 7RI82402, 70Y33230, 985629, MKN42634, 693035, 121-6131, 6818M, GS42634

### Synonyms

Isopropyl Alcohol 65-75%

### Chemical Family

ISOPROPYL ALCOHOL

### Product Use

Skin preparation pads for use in medical applications

### Restrictions on Use

For use under medical supervision only.

### Manufacturer Information

Covidien, LP

15 Hampshire Street

Mansfield, MA 02048

USA

Phone: +1-(508) 261-8000 (Monday - Friday 8:00 am to 5:00 pm)

Email: customerservice@medtronic.com

Emergency Telephone Number:

CHEMTREC (800) 424-9300 (for US and Canada)

1(703) 527-3887 (Outside US and Canada)

Collect calls accepted

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## Section 2 - HAZARDS IDENTIFICATION

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### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

### GHS Label Elements

Symbol(s)



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**Signal Word**

Danger

**Hazard Statement(s)**

Highly flammable liquid and vapor  
Causes serious eye irritation

**Precautionary Statement(s)**

**Prevention**

Keep away from heat/sparks/open flame/hot surfaces - No smoking  
Wash thoroughly after handling

**Response**

In case of fire: Use appropriate media to extinguish  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Storage**

Store in a cool dry place

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent (%)
7732-18-5	Water	25 - 35
67-63-0	Isopropyl alcohol	65 - 75

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## Section 4 - FIRST AID MEASURES

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**Inhalation**

Not a likely route of exposure.

**Skin**

It is unlikely that first aid will be required. If skin irritation occurs: Get medical advice/attention.

**Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

If swallowed, get medical attention.

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**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**Most Important Symptoms/Effects**

**Acute**

Causes serious eye irritation.

**Delayed**

No information on significant adverse effects.

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## Section 5 - FIRE FIGHTING MEASURES

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**Extinguishing Media**

**Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the Chemical**

Highly flammable liquid and vapor.

**Hazardous Combustion Products**

Oxides of carbon

**Advice for firefighters**

Avoid inhalation of material or combustion by-products.

**Fire Fighting Measures**

Avoid inhalation of material or combustion by-products.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment.

**Methods and Materials for Containment and Cleaning Up**

Clear up spills immediately and dispose of waste safely.

**Environmental Precautions**

Avoid release to the environment.

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## Section 7 - HANDLING AND STORAGE

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**Precautions for Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces.

**Conditions for Safe Storage, Including any Incompatibilities**

Store in a cool dry place

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## Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Component Exposure Limits

Isopropyl alcohol	67-63-0
ACGIH:	200 ppm TWA
	400 ppm STEL
NIOSH:	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
	500 ppm STEL; 1225 mg/m <sup>3</sup> STEL
	2000 ppm IDLH (10% LEL)
OSHA (US):	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
Mexico:	400 ppm TWA LMPE-PPT; 980 mg/m <sup>3</sup> TWA LMPE-PPT
	500 ppm STEL [LMPE-CT]; 1225 mg/m <sup>3</sup> STEL [LMPE-CT]

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Safety glasses or goggles are recommended when there is a potential for eye contact.

#### Skin Protection

Not required.

#### Respiratory Protection

No respirator is required under normal conditions of use.

#### Glove Recommendations

Hand protection is not required.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Non-woven cloth saturated with liquid in foil package	<b>Physical State</b>	Liquid
<b>Odor</b>	Alcohol	<b>Color</b>	Colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available

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<b>Melting Point</b>	Not available	<b>Boiling Point</b>	82 °C (literature value)
<b>Freezing point</b>	-89 °C (literature value)	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	399 °C (literature value)	<b>Flash Point</b>	12 °C (estimate based on isopropyl alcohol)
<b>Lower Explosive Limit</b>	2 % (V)	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	12 % (V)	<b>Vapor Pressure</b>	33 mmHg (@ 20 °C - literature value)
<b>Vapor Density (air=1)</b>	2.1 (literature value)	<b>Specific Gravity (water=1)</b>	0.7855 (@ 20 °C - literature value)
<b>Water Solubility</b>	100%	<b>Partition coefficient: n-octanol/water</b>	0.05 (measured value)
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available		

## Other Information

No additional information available.

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## Section 10 - STABILITY AND REACTIVITY

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### Reactivity

Not known to occur.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid direct sunlight.

### Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

### Hazardous decomposition products

Oxides of carbon

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## Section 11 - TOXICOLOGICAL INFORMATION

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### Information on Likely Routes of Exposure

#### Inhalation

Not a likely route of exposure.

#### Skin Contact

None known.

#### Eye Contact

Causes serious eye irritation.

#### Ingestion

None known.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Isopropyl alcohol (67-63-0)

Oral LD50 Rat 5045 mg/kg (Safety Data Sheet)

Dermal LD50 Rabbit 12800 mg/kg (Safety Data Sheet)

Inhalation LC50 Rat 1600 ppm 4 h (Safety Data Sheet)

#### Immediate Effects

Causes serious eye irritation.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

Causes serious eye irritation.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

Isopropyl alcohol	67-63-0
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

#### Germ Cell Mutagenicity

No data available.

#### Reproductive Toxicity

No data available.

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**Specific Target Organ Toxicity - Single Exposure**

No information available.

**Specific Target Organ Toxicity - Repeated Exposure**

No information available.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

May cause eye damage, eye disorders.

**Additional Data**

No additional information available.

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## Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

Isopropyl alcohol	67-63-0
Fish:	LC50 96 h Pimephales promelas 9640 mg/L [flow-through]; LC50 96 h Pimephales promelas 11130 mg/L [static]; LC50 96 h Lepomis macrochirus >1400000 µg/L
Algae:	EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 13299 mg/L IUCLID

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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## Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal Methods**

Dispose in accordance with all applicable regulations.

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## Section 14 - TRANSPORT INFORMATION

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### US DOT Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN/NA #:** Not regulated per 49 CFR, Special Provision 47 (for rail and road transport in the USA)

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### IATA Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IATA, Special Provision A46

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** Consult current IATA regulations prior to shipping by air

### IMDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IMDG Code, Special Provision 216

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### TDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

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## Section 15 - REGULATORY INFORMATION

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### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b).

Isopropyl alcohol	67-63-0
SARA 313:	1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)



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## Not listed under California Proposition 65

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Isopropyl alcohol	67-63-0
	1 %

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## Section 16 - OTHER INFORMATION

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### Summary of Changes

New SDS: May 5, 2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

### Other Information

#### Disclaimer:

The information and recommendations in this safety data sheet are based on sources believed to be accurate as of the date of issue. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Covidien LP makes NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED and usage of this safety data sheet shall not establish a legal, contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Covidien LP assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Covidien LP assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Users should ensure that any use or disposal of the material is in accordance with applicable national, country, federal, state, and local laws, directives, orders and regulations.



# ChloroPrep® Solutions

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 30/03/2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : ChloroPrep Solutions

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Antimicrobial

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

CareFusion  
75 N. Fairway Drive  
Vernon Hills, IL 60061  
T 800-523-0502 - F 855-329-6985

#### 1.4. Emergency telephone number

Emergency number : **For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 CCN702157  
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)  
Within EU: +(44)-870-8200418  
CHEMTREC UK (London): +(44)-870-8200418**

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP] and GHS US

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

STOT SE 3 H335

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11

Xi; R36

R67

Full text of R-phrases: see section 16

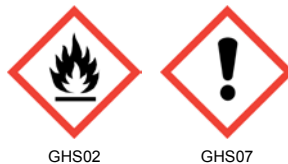
##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP] and GHS US

Hazard pictograms :



GHS02

GHS07

Signal word : Danger

Hazard statements : H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

# ChloroPrep® Solutions

## Safety Data Sheet

P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ventilating/lighting/... equipment  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264 - Wash ... thoroughly after handling  
 P271 - Use only outdoors or in a well-ventilated area  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P312 - Call a POISON CENTER/doctor/... if you feel unwell  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P370+P378 - In case of fire: Use ... to extinguish  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
 P403+P235 - Store in a well-ventilated place. Keep cool  
 P405 - Store locked up  
 P501 - Dispose of contents/container to ...

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

ChloroPrep® Clear

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302

ChloroPrep® Hi-Lite Orange

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302
FD and C Yellow No. 6	(CAS No) 2783-94-0 (EC no) 220-491-7	0 - 0.1	Not classified	Not classified	Not classified

ChloroPrep® Teal Green

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302
C.I. Food Green 3	(CAS No) 2353-45-9 (EC no) 219-091-5	0 - 0.1	Not classified	Muta. 2, H341	Muta. 2, H341

Full text of R- and H- phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If symptoms of exposure develop, move to fresh air. Seek medical attention if symptoms persist.
- First-aid measures after skin contact : Wash material off the skin with copious amounts of water. If redness or a burning sensation develops, seek medical attention and discontinue use.
- First-aid measures after eye contact : Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel immediately.
- First-aid measures after ingestion : Give individual one to two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness and drowsiness.
- Symptoms/injuries after skin contact : May cause irritation, drying, defatting of the skin. Prolonged contact may cause dermatitis.
- Symptoms/injuries after eye contact : Contact may cause severe irritation with redness, tearing and pain with possible eye damage.
- Symptoms/injuries after ingestion : Ingestion may cause mucous membrane and gastrointestinal irritation, abdominal pain, nausea, vomiting, dizziness and drowsiness.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water fog, alcohol-resistant foam, carbon dioxide or dry chemical. Water spray can be used to cool exposed containers and structures, dilute spills and disperse flammable vapors.
- Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor. Ampoules may explode if exposed to extreme heat or flame. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back.
- Explosion hazard : None known.

#### 5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No special measures required.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Stop the flow of material, if this is without risk.
- Methods for cleaning up : Wear skin, eye and respiratory protection during cleanup. For small spills, wipe or mop up and rinse to sewer serviced by a wastewater treatment facility. For large spills, eliminate sources of ignition and ventilate spill area. Soak up liquid with inert absorbent and collect into a suitable waste container. Wash residue from spill area with water and flush to sewer serviced by a wastewater treatment facility if permitted.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid prolonged exposure (ingestion, inhalation, or skin contact). Avoid breathing vapors. Use in well-ventilated areas. Keep product away from heat, sparks and flames.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry, well-ventilated area away from incompatible chemicals and all sources of ignition.

# ChloroPrep® Solutions

## Safety Data Sheet

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Isopropyl alcohol (67-63-0)		
Austria	MAK (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (short time value for large casting)
Austria	MAK (ppm)	200 ppm (short time value for large casting)
Austria	MAK Short time value (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup> 2000 mg/m <sup>3</sup> (STEL for large casting valid till 12/31/2013)
Austria	MAK Short time value (ppm)	800 ppm 800 ppm (STEL for large casting valid till 12/31/2013)
Belgium	Limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	400 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	980.0 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	1225.0 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	400 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	500 ppm
Czech Republic	Exposure limits (PEL) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Denmark	Limit (long-term) (mg/m <sup>3</sup> )	490 mg/m <sup>3</sup>
Denmark	Limit (long-term) (ppm)	200 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	250 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	620 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	VLE (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
France	VLE (ppm)	400 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	25 mg/l (Medium: whole blood - Time: end of shift - Parameter: Acetone) 25 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Greece	OEL TWA (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	500 ppm
Hungary	Exposure Limit Value	500 mg/m <sup>3</sup>
Hungary	CK-érték	2000 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	150 ppm

# ChloroPrep® Solutions

## Safety Data Sheet

Isopropyl alcohol (67-63-0)		
Lithuania	TPRV (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	250 ppm
Poland	NDS (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	400 ppm
Romania	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	81 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	203 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	800 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-ED (ppm)	200 ppm (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-EC (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	400 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
Norway	TWA (AN) (mg/m <sup>3</sup> )	245 mg/m <sup>3</sup>
Norway	TWA (AN) (ppm)	100 ppm
Norway	TWA (Korttidsverdi) (mg/m <sup>3</sup> )	306.25 mg/m <sup>3</sup>
Norway	TWA (Korttidsverdi) (ppm)	150 ppm
Switzerland	VME (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Switzerland	VME (ppm)	200 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	400 ppm
Australia	TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
Australia	TWA (ppm)	400 ppm
Australia	STEL (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Australia	STEL (ppm)	500 ppm
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	500 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	985 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	400 ppm
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	400 ppm
USA - IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>

# ChloroPrep® Solutions

## Safety Data Sheet

Isopropyl alcohol (67-63-0)		
USA - NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. Exposure controls

Appropriate engineering controls	:	Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required.
Hand protection	:	Latex rubber for limited contact. Butyl rubber or nitrile recommended for prolonged contact.
Eye protection	:	Safety glasses or goggles recommended if eye contact is possible.
Skin and body protection	:	Wear suitable working clothes.
Respiratory protection	:	If the exposure limits are exceeded a NIOSH/EN approved organic vapor respirator appropriate for the form and concentration of the contaminants should be used.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear in product; when activated, clear orange, teal
Color	:	Clear, orange, or teal
Odor	:	Odourless
Odor threshold	:	No data available
pH	:	7 - 7.5
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	19.4°C (67 °F)
Auto-ignition temperature	:	2 - 12.7
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	0.88
Solubility	:	Water: Complete
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

### 9.2. Other information

VOC content	:	100 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Extreme heat, sparks or flame.

### 10.5. Incompatible materials

Oxidizing materials

### 10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, chlorine compounds.

# ChloroPrep® Solutions

## Safety Data Sheet

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Isopropyl alcohol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50 inhalation rat (ppm)	16000 ppm (Exposure time: 8 h)

Chlorhexidine digluconate (18472-51-0)	
ATE (oral)	500.000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable

C.I. Food Green 3 (2353-45-9)	
IARC group	3 - Not classifiable

FD and C Yellow No. 6 (2783-94-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness. May cause respiratory irritation.  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Isopropyl alcohol (67-63-0)	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	> 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 other aquatic organisms 2	> 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND / US DOT



# ChloraPrep® Solutions

## Safety Data Sheet

### 14.1. UN number

UN-No. : 1219

### 14.2. UN proper shipping name

Proper Shipping Name : ISOPROPANOL (ISOPROPYL ALCOHOL)

### 14.3. Transport hazard class(es)

Transport hazard class(es) : 3

Danger labels : 3



### 14.4. Packing group

Packing group : II

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR) : F1

Special provision (ADR) : 601

Limited quantities (ADR) : 1L

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19

Mixed Portable tank and bulk container instructions (ADR) : T4

Mixed Portable tank and bulk container special provisions (ADR) : TP1

ADR tank codes (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC : •2YE

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

Not subjected to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# ChloroPrep® Solutions

## Safety Data Sheet

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
 Contains no REACH candidate substance  
 Contains no REACH Annex XIV substances.

VOC content : 100 %

##### 15.1.2. National regulations

###### Germany

Water hazard class (WGK) : 2 - hazardous to water

#### 15.2. Chemical safety assessment

No additional information available

#### 15.3. US Federal regulations

Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on SARA Section 313 (Specific toxic chemical listings)	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)

C.I. Food Green 3 (2353-45-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Chlorhexidine digluconate (18472-51-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

FD and C Yellow No. 6 (2783-94-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

#### 15.4. US State regulations

Isopropyl alcohol (67-63-0)	
U.S. - Massachusetts - Right To Know List	
U.S. - Minnesota - Hazardous Substance List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Muta. 2	Germ cell mutagenicity Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
R11	Highly flammable
R36	Irritating to eyes
R67	Vapors may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant

# Chloraprep® Solutions

## Safety Data Sheet

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

---

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

---

### Material Name

WEBCOL/Curity Alcohol Prep Pads

### Trade Names

5033, 5110, 5750, 6818, 6818-1, 63001, 15033, 16818, 176818, 20339, 681812, 6818-2, 7MJ46621, 7MJ36339, 7RA58200, 7RA71200, 7RI43405, 7R145719, 7RI45720, 7RI45721, 7RI45722, 7RI82380, 7RI82402, 70Y33230, 985629, MKN42634, 693035, 121-6131, 6818M, GS42634

### Synonyms

Isopropyl Alcohol 65-75%

### Chemical Family

ISOPROPYL ALCOHOL

### Product Use

Skin preparation pads for use in medical applications

### Restrictions on Use

For use under medical supervision only.

### Manufacturer Information

Covidien, LP

15 Hampshire Street

Mansfield, MA 02048

USA

Phone: +1-(508) 261-8000 (Monday - Friday 8:00 am to 5:00 pm)

Email: customerservice@medtronic.com

Emergency Telephone Number:

CHEMTREC (800) 424-9300 (for US and Canada)

1(703) 527-3887 (Outside US and Canada)

Collect calls accepted

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## Section 2 - HAZARDS IDENTIFICATION

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### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

### GHS Label Elements

Symbol(s)



# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

**Signal Word**

Danger

**Hazard Statement(s)**

Highly flammable liquid and vapor  
Causes serious eye irritation

**Precautionary Statement(s)**

**Prevention**

Keep away from heat/sparks/open flame/hot surfaces - No smoking  
Wash thoroughly after handling

**Response**

In case of fire: Use appropriate media to extinguish  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Storage**

Store in a cool dry place

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

---

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

CAS	Component Name	Percent (%)
7732-18-5	Water	25 - 35
67-63-0	Isopropyl alcohol	65 - 75

---

## Section 4 - FIRST AID MEASURES

---

**Inhalation**

Not a likely route of exposure.

**Skin**

It is unlikely that first aid will be required. If skin irritation occurs: Get medical advice/attention.

**Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

If swallowed, get medical attention.

# Safety Data Sheet

**Material Name: WEBCOL/Curity Alcohol Prep Pads**

**SDS ID: COV-001**

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**Most Important Symptoms/Effects**

**Acute**

Causes serious eye irritation.

**Delayed**

No information on significant adverse effects.

---

## Section 5 - FIRE FIGHTING MEASURES

---

**Extinguishing Media**

**Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the Chemical**

Highly flammable liquid and vapor.

**Hazardous Combustion Products**

Oxides of carbon

**Advice for firefighters**

Avoid inhalation of material or combustion by-products.

**Fire Fighting Measures**

Avoid inhalation of material or combustion by-products.

---

## Section 6 - ACCIDENTAL RELEASE MEASURES

---

**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment.

**Methods and Materials for Containment and Cleaning Up**

Clear up spills immediately and dispose of waste safely.

**Environmental Precautions**

Avoid release to the environment.

---

## Section 7 - HANDLING AND STORAGE

---

**Precautions for Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces.

**Conditions for Safe Storage, Including any Incompatibilities**

Store in a cool dry place

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

## Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### Component Exposure Limits

Isopropyl alcohol	67-63-0
ACGIH:	200 ppm TWA
	400 ppm STEL
NIOSH:	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
	500 ppm STEL; 1225 mg/m <sup>3</sup> STEL
	2000 ppm IDLH (10% LEL)
OSHA (US):	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
Mexico:	400 ppm TWA LMPE-PPT; 980 mg/m <sup>3</sup> TWA LMPE-PPT
	500 ppm STEL [LMPE-CT]; 1225 mg/m <sup>3</sup> STEL [LMPE-CT]

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Safety glasses or goggles are recommended when there is a potential for eye contact.

#### Skin Protection

Not required.

#### Respiratory Protection

No respirator is required under normal conditions of use.

#### Glove Recommendations

Hand protection is not required.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Non-woven cloth saturated with liquid in foil package	<b>Physical State</b>	Liquid
<b>Odor</b>	Alcohol	<b>Color</b>	Colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

<b>Melting Point</b>	Not available	<b>Boiling Point</b>	82 °C (literature value)
<b>Freezing point</b>	-89 °C (literature value)	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	399 °C (literature value)	<b>Flash Point</b>	12 °C (estimate based on isopropyl alcohol)
<b>Lower Explosive Limit</b>	2 % (V)	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	12 % (V)	<b>Vapor Pressure</b>	33 mmHg (@ 20 °C - literature value)
<b>Vapor Density (air=1)</b>	2.1 (literature value)	<b>Specific Gravity (water=1)</b>	0.7855 (@ 20 °C - literature value)
<b>Water Solubility</b>	100%	<b>Partition coefficient: n-octanol/water</b>	0.05 (measured value)
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available		

## Other Information

No additional information available.

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## Section 10 - STABILITY AND REACTIVITY

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### Reactivity

Not known to occur.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid direct sunlight.

### Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

### Hazardous decomposition products

Oxides of carbon



# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

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## Section 11 - TOXICOLOGICAL INFORMATION

---

### Information on Likely Routes of Exposure

#### Inhalation

Not a likely route of exposure.

#### Skin Contact

None known.

#### Eye Contact

Causes serious eye irritation.

#### Ingestion

None known.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Isopropyl alcohol (67-63-0)

Oral LD50 Rat 5045 mg/kg (Safety Data Sheet)

Dermal LD50 Rabbit 12800 mg/kg (Safety Data Sheet)

Inhalation LC50 Rat 1600 ppm 4 h (Safety Data Sheet)

#### Immediate Effects

Causes serious eye irritation.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

Causes serious eye irritation.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

Isopropyl alcohol	67-63-0
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

#### Germ Cell Mutagenicity

No data available.

#### Reproductive Toxicity

No data available.

# Safety Data Sheet

**Material Name: WEBCOL/Curity Alcohol Prep Pads**

**SDS ID: COV-001**

**Specific Target Organ Toxicity - Single Exposure**

No information available.

**Specific Target Organ Toxicity - Repeated Exposure**

No information available.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

May cause eye damage, eye disorders.

**Additional Data**

No additional information available.

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## Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

Isopropyl alcohol	67-63-0
Fish:	LC50 96 h Pimephales promelas 9640 mg/L [flow-through]; LC50 96 h Pimephales promelas 11130 mg/L [static]; LC50 96 h Lepomis macrochirus >1400000 µg/L
Algae:	EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 13299 mg/L IUCLID

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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## Section 13 - DISPOSAL CONSIDERATIONS

---

**Disposal Methods**

Dispose in accordance with all applicable regulations.

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

---

## Section 14 - TRANSPORT INFORMATION

---

### US DOT Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN/NA #:** Not regulated per 49 CFR, Special Provision 47 (for rail and road transport in the USA)

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### IATA Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IATA, Special Provision A46

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** Consult current IATA regulations prior to shipping by air

### IMDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IMDG Code, Special Provision 216

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

### TDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

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## Section 15 - REGULATORY INFORMATION

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### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b).

Isopropyl alcohol	67-63-0
SARA 313:	1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

# Safety Data Sheet

Material Name: WEBCOL/Curity Alcohol Prep Pads

SDS ID: COV-001

## Not listed under California Proposition 65

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Isopropyl alcohol	67-63-0
	1 %

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## Section 16 - OTHER INFORMATION

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### Summary of Changes

New SDS: May 5, 2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

### Other Information

#### Disclaimer:

The information and recommendations in this safety data sheet are based on sources believed to be accurate as of the date of issue. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Covidien LP makes NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED and usage of this safety data sheet shall not establish a legal, contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Covidien LP assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Covidien LP assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Users should ensure that any use or disposal of the material is in accordance with applicable national, country, federal, state, and local laws, directives, orders and regulations.



**Common Name:** TRIPLE ANTIBIOTIC OINTMENT  
**Manufacturer:** WATER JEL TECHNOLOGIES

**SDS Revision Date:** 8/25/2015  
**SDS Format:** GHS-US

**Item Number(s):** 463M05, 480G23, SELU4  
**Manufacturer Model Number(s):**

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WATER JEL(R\*) TECHNOLOGIES  
SAFETY DATA SHEET

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION** ▲ top

PRODUCT IDENTIFIER: #D14  
PRODUCT NAME: TRIPLE ANTIBIOTIC OINTMENT  
PRODUCT USE: TOPICAL ANTIBIOTIC OINTMENT  
MANUFACTURER:  
WATER JEL TECHNOLOGIES LLC  
60 BROAD STREET  
CARLSTADT, NEW JERSEY 07072  
TELEPHONE: 201-507-8300  
E-MAIL ADDRESS: WWW.WATERJEL.COM  
EMERGENCY TELEPHONE: 1-800-275-3433  
FAX NUMBER: 201-507-8325  
ISSUE DATE: 08-25-2015

**SECTION 2: HAZARDS IDENTIFICATION** ▲ top

EMERGENCY OVERVIEW:  
THIS PRODUCT IS REGULATED BY THE US FDA AS AN OVER-THE-COUNTER, MONOGRAPH DRUG.  
FOR CONSUMERS, CONSULT THE DRUG FACTS ON THE PACKAGE FOR USE DIRECTIONS AND WARNINGS INFORMATION.  
WARNINGS: FOR EXTERNAL USE ONLY.  
WHEN USING THIS PRODUCT, AVOID CONTACT WITH THE EYES.  
DO NOT USE ON LARGE AREAS OF THE BODY OR ON BROKEN, BLISTERED OR Oozing SKIN.  
DO NOT USE IF YOU ARE ALLERGIC TO ANY OF THE INGREDIENTS.  
STOP USE AND ASK A DOCTOR IF CONDITION WORSENS OR SYMPTOMS PERSIST FOR MORE THAN 7 DAYS.  
IF SWALLOWED, GET MEDICAL HELP OR CONTACT A POISON CONTROL CENTER IMMEDIATELY.  
PHYSICAL HAZARDS:  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
HEALTH HAZARDS:  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
ENVIRONMENTAL HAZARDS:  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
OSHA DEFINED HAZARDS:  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
LABEL ELEMENTS:  
HAZARD SYMBOL: NONE  
SIGNAL WORD: NONE  
HAZARD STATEMENT:  
THE MIXTURE DOES NOT MEET THE CRITERIA FOR CLASSIFICATION.  
PRECAUTIONARY STATEMENT:  
PREVENTION: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
RESPONSE: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
STORAGE: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
DISPOSAL: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
HAZARDS NOT OTHERWISE CLASSIFIED (HMOC): NONE KNOWN.  
SUPPLEMENTAL INFORMATION: NONE.  
ROUTE OF ENTRY:  
SKIN CONTACT: MAY CAUSE IRRITATION, REDNESS, INFLAMMATION OR DRYNESS.  
SKIN ABSORPTION: NO ADVERSE CONDITIONS EXPECTED.  
EYE CONTACT: DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION.  
INHALATION: NOT EXPECTED DUE TO FORM.  
INGESTION: MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS** ▲ top

MIXTURES:

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
BACITRACIN ZINC USP		1405-89-6	PROPRIETARY
NEOMYCIN SULFATE		1405-10-3	PROPRIETARY
POLYMXIN B SULFATE		1405-20-5	PROPRIETARY
PETROLATUM		8009-03-8	PROPRIETARY

**SECTION 4: FIRST AID MEASURES** ▲ top

SKIN CONTACT:  
WASH OFF WITH WARM WATER AND SOAP. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.  
SKIN ABSORPTION: NO ADVERSE CONDITIONS EXPECTED.  
EYE CONTACT:  
FLUSH EYES WITH CLEAR RUNNING WATER FOR A MINIMUM OF 15 MINUTES; IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
INHALATION: REMOVE VICTIM TO FRESH AIR.  
INGESTION:  
DO NOT INDUCE VOMITING DUE TO ASPIRATION HAZARD. IF VOMITING SHOULD OCCUR, LOWER HEAD BELOW KNEES TO AVOID ASPIRATION.  
SECTION 5: FIRE-FIGHTING MEASURES ▲ top  
FLAMMABLE: NO  
MEANS OF EXTINGUISHMENT:  
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE. USE WATER SPRAY, FOAM OR DRY CHEMICAL.  
IN FIRES INVOLVING LARGE QUANTITIES OF THIS PRODUCT, THE USE OF LARGE STREAMS OF WATER SHOULD BE AVOIDED.  
USE SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES THAT INVOLVE THIS MATERIAL.  
FLASH POINT AND METHOD: NA  
UPPER FLAMMABLE LIMIT (% BY VOLUME): NA  
LOWER FLAMMABLE LIMIT (% BY VOLUME): NA  
AUTOIGNITION TEMPERATURE (DEG. C): NA  
EXPLOSION DATA - SENSITIVITY TO IMPACT:  
NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.  
EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE:  
NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.  
HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES, NITROGEN OXIDES (NOX).  
NFPA:  
HEALTH 0  
FIRE 1  
REACTIVITY 0  
OTHER NA

**SECTION 6: ACCIDENTAL RELEASE MEASURES** ▲ top

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:  
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.  
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:  
ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A SEALED CONTAINER FOR CHEMICAL WASTE.  
LARGE SPILLS:  
FLUSH WITH PLENTY OF WATER. PREVENT ENTRY INTO WATERWAYS, SEWER, BASEMENTS OR CONFINED AREAS. DISE FOR LATER DISPOSAL.  
SMALL SPILLS:  
Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  
ENVIRONMENTAL PRECAUTIONS: AVOID DISCHARGE INTO DRAINS AND WATER SOURCES.

**SECTION 7: HANDLING AND STORAGE** ▲ top

HANDLING PROCEDURES AND EQUIPMENT:  
KEEP THIS AND OTHER CHEMICALS OUT OF THE REACH OF CHILDREN.  
STORAGE TEMPERATURE:  
DO NOT STORE OR MIX WITH STRONG ACIDS OR OXIDIZERS. STORE AT ROOM TEMPERATURE.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION** ▲ top

OCCUPATIONAL EXPOSURE LIMITS:  
COMPONENTS ACGIH-TLVS OSHA-PELS NIOSH FORM  
PETROLATUM (CAS 8009-03-8) 5 MG/M3 5 MG/M3 5 MG/M3 TWA MIST  
BIOLOGICAL LIMIT VALUES:  
NO BIOLOGICAL EXPOSURE LIMITS NOTED FOR THE INGREDIENTS.  
VENTILATION AND ENGINEERING CONTROLS: ENSURE ADEQUATE VENTILATION.  
PERSONAL PROTECTIVE EQUIPMENT: NONE REQUIRED UNDER NORMAL CONDITIONS  
HAND PROTECTION: NONE REQUIRED UNDER NORMAL CONDITIONS.  
EYE AND FACE PROTECTION:  
EYE PROTECTION, AS NECESSARY TO PREVENT EXCESSIVE CONTACT.  
SKIN PROTECTION: NONE REQUIRED UNDER NORMAL CONDITIONS.  
GENERAL HYGIENE CONSIDERATIONS: PRACTICE SAFE WORK HABITS.  
OTHER PROTECTIVE EQUIPMENT:  
EYE WASH STATIONS SHOULD BE NEARBY AND READY TO USE.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES** ▲ top

APPEARANCE: OINTMENT.  
PHYSICAL STATE: OINTMENT.  
FORM: OINTMENT.  
COLOR: WHITE TO OFF WHITE.  
ODOR: SLIGHTLY FATTY ODOR.  
PH: NO INFORMATION AVAILABLE.  
BOILING POINT: >200 DEG. F CLOSED CUP  
MELTING POINT: NO INFORMATION AVAILABLE.  
FLASH POINT: N/A  
EXPLOSIVE PROPERTIES: NO INFORMATION AVAILABLE.  
OXIDIZING PROPERTIES: NO INFORMATION AVAILABLE.  
SPECIFIC GRAVITY: 0.87  
WATER SOLUBILITY: INSOLUBLE.  
PARTITION COEFFICIENT: NO INFORMATION AVAILABLE.  
VISCOSITY: NO INFORMATION AVAILABLE.  
VAPOR PRESSURE (MM Hg): NO INFORMATION AVAILABLE.  
VAPOR DENSITY (AIR=1): NO INFORMATION AVAILABLE.  
EVAPORATION RATE: NO INFORMATION AVAILABLE.  
% VOLATILE: NO INFORMATION AVAILABLE.

**SECTION 10: STABILITY AND REACTIVITY** ▲ top

REACTIVITY:  
THE PRODUCT IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE.  
CHEMICAL STABILITY: STABLE AT NORMAL CONDITIONS.  
POSSIBILITY OF HAZARDOUS REACTIONS:  
HAZARDOUS POLYMERIZATION DOES NOT OCCUR.  
CONDITIONS TO AVOID: EXTREME HEAT.  
MATERIALS TO AVOID: STRONG OXIDANTS AND STRONG ACIDS.  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION** ▲ top

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:  
THE BEST AVAILABLE INFORMATION PROVIDED IS FOR HANDLING THIS PRODUCT IN AN OCCUPATIONAL SETTING.  
EFFECTS OF ACUTE AND CHRONIC EXPOSURE:  
ACUTE:  
THE PRIMARY HEALTH EFFECT THAT MAY BE EXPERIENCED IN AN OCCUPATIONAL SETTING IS MILD IRRITATION OF CONTAMINATED SKIN. ACCIDENTAL INGESTION MAY BE HARMFUL, ALTHOUGH UNLIKELY. IRRITATION CAN IRRITATE THE RESPIRATORY SYSTEM. EYE CONTACT WILL CAUSE IRRITATION.  
CHRONIC: NONE  
TARGET ORGANS:  
ACUTE:  
OCCUPATIONAL EXPOSURE: SKIN.  
CHRONIC:  
OCCUPATIONAL EXPOSURE: SKIN.  
INHALATION:  
MIST MAY SLIGHTLY IRRITATE THE NOSE, THROAT AND LUNGS. SYMPTOMS ARE GENERALLY ALLEVIATED UPON BREATHING FRESH AIR.  
SKIN CONTACT:  
SKIN CONTACT MAY CAUSE BURNING SENSATION, STINGING, ITCHING AND TINGLING.  
EYE CONTACT:  
EYE CONTACT CAN CAUSE IRRITATION, STINGING, REDNESS AND TEARING.  
INGESTION:  
INGESTION IS NOT A SIGNIFICANT ROUTE OF OCCUPATIONAL OVEREXPOSURE. ACUTE INGESTION OF LARGE QUANTITIES OF THIS PRODUCT OR CHRONIC INGESTION MAY CAUSE ADVERSE SYMPTOMS THAT MAY INCLUDE NAUSEA, VOMITING AND DIARRHEA.  
IRRITANCY OF THE PRODUCT:  
THIS PRODUCT MAY CAUSE MILD TO MODERATE IRRITATION ON DAMAGED SKIN.  
SKIN SENSITIZATION: NOT EXPECTED.  
RESPIRATORY SENSITIZATION: NOT EXPECTED.  
LD50/LC50:  
PETROLATUM (CAS 8009-03-8):  
ORAL: NOT AVAILABLE.  
DERMAL: NOT AVAILABLE.  
CARCINOGENICITY: NOT CLASSIFIED AS A HUMAN CARCINOGEN BY IARC OR ACGIH.  
REPRODUCTIVE TOXICITY:  
MUTAGENIC/EMBRYO TOXICITY:  
THE COMPONENTS OF THIS PRODUCT ARE NOT REPORTED TO CAUSE MUTAGENIC OR EMBRYONIC EFFECTS IN HUMANS.  
TERATOGENICITY: NOT AVAILABLE.  
REPRODUCTIVE TOXICITY:  
THIS PRODUCT IS NOT EXPECTED TO CAUSE REPRODUCTIVE EFFECTS.

**SECTION 12: ECOLOGICAL INFORMATION** ▲ top

NO SPECIFIC INFORMATION IS CURRENTLY AVAILABLE ON THE EFFECT OF THIS PRODUCT ON PLANTS OR ANIMALS IN THE ENVIRONMENT. THE PRODUCT MAY BE HARMFUL TO CONTAMINATED TERRESTRIAL AND AQUATIC PLANT LIFE IN LARGE QUANTITIES. THE FOLLOWING AQUATIC TOXICITY DATA CURRENTLY AVAILABLE FOR COMPONENTS OF THIS PRODUCT:  
NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.  
ENVIRONMENTAL EXPOSURE CONTROLS: CONTROLS SHOULD BE ENGINEERED TO PREVENT RELEASE TO THE ENVIRONMENT, INCLUDING PROCEDURES TO PREVENT SPILLS, ATMOSPHERIC RELEASE AND RELEASE TO WATERWAYS.  
NO COMPONENT OF THIS PRODUCT IS KNOWN TO HAVE OZONE DEPLETION POTENTIAL.

**SECTION 13: DISPOSAL CONSIDERATIONS** ▲ top

DISPOSAL INSTRUCTIONS:  
COLLECT OR DISPOSE IN SEALED CONTAINERS AT LICENSED WASTE DISPOSAL SITE. DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION** ▲ top

DOT CLASSIFICATION: NOT REGULATED FOR DOMESTIC TRANSPORT.  
ATA CLASSIFICATION: NOT REGULATED FOR INTERNATIONAL TRANSPORT.  
IMDG CLASSIFICATION: NOT REGULATED FOR INTERNATIONAL WATER TRANSPORT.

**SECTION 15: REGULATORY INFORMATION** ▲ top

U.S. FEDERAL REGULATIONS:  
TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT REGULATED.  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NOT LISTED.  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 304: NOT REGULATED.  
SARA 311/312 HAZARD CATEGORIES: NOT REGULATED.  
SARA 313 REPORTABLE INGREDIENTS: NOT LISTED.  
STATE REGULATIONS:  
CALIFORNIA PROP 65:  
WARNING:  
THIS PRODUCT DOES CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE DEFECTS.  
NEOMYCIN SULFATE USP (CAS 1405-10-3) - INTERNAL USE ONLY - LISTED OCTOBER 1, 1992  
NEW JERSEY RTK: NOT LISTED.  
MASSACHUSETTS RTK: PETROLATUM (CAS 8009-03-8)  
PENNSYLVANIA RTK: PETROLATUM (CAS 8009-03-8)  
INTERNATIONAL REGULATIONS:  
COUNTRY OR REGION INVENTORY NAME LISTED  
AUSTRALIA AUSTRALIA INVENTORY OF CHEMICAL SUBSTANCES YES  
CANADA DOMESTIC SUBSTANCE LIST (DSL) NO  
CANADA NON-DOMESTIC SUBSTANCE LIST (NDSL) YES  
CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC) NO  
EUROPE EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (EINECS) YES  
EUROPE EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS) NO  
JAPAN INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS) NO  
KOREA EXISTING CHEMICALS LIST (ECL) YES  
NEW ZEALAND NEW ZEALAND INVENTORY YES  
PHILIPPINES PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS) YES  
UNITED STATES & PUERTO RICO TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY NO

NOTE:  
A "YES" INDICATES THAT ALL COMPONENTS COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY.  
A "NO" INDICATES THAT ONE OR MORE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY.

**SECTION 16: OTHER INFORMATION** ▲ top

ISSUE DATE: 08-25-2015  
VERSION: 02  
DISCLAIMER:  
THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET (SDS) IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR PROCESSES.  
NAME: TRIPLE ANTIBIOTIC OINTMENT



**Common Name:** FIRST AID BURN CREAM  
**Manufacturer:** WATER JEL TECHNOLOGIES  
**SDS Revision Date:** 8/25/2015  
**SDS Format:** GHS-US

**Item Number(s):** 3PAB, 41CP92, 41CR11, 480G24, 480G25, 8RFW1, 8XRX8  
**Manufacturer Item Number(s):**

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WATER JEL(R\*) TECHNOLOGIES  
SAFETY DATA SHEET

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER:** #007  
**PRODUCT NAME:** FIRST AID BURN CREAM  
**PRODUCT USE:** TOPICAL ANTISEPTIC AND ANALGESIC SKIN CREAM  
**MANUFACTURER:**  
WATER JEL TECHNOLOGIES LLC  
59 BROND STREET  
CARLSTADT, NEW JERSEY 07072  
**TELEPHONE:** 201-507-8300  
**E-MAIL ADDRESS:** WWW.WATERJEL.COM  
**EMERGENCY TELEPHONE:** 1-800-275-3433  
**FAX NUMBER:** 201-507-8325  
**ISSUE DATE:** 08-25-2015

**SECTION 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**  
THIS PRODUCT IS REGULATED BY THE US FDA AS AN OVER-THE-COUNTER, MONOGRAPH DRUG.  
**FOR CONSUMERS, CONSULT THE DRUG FACTS ON THE PACKAGE FOR USE DIRECTIONS AND WARNINGS INFORMATION.**  
**WARNINGS:**  
FOR EXTERNAL USE ONLY.  
**WHEN USING THIS PRODUCT, AVOID CONTACT WITH THE EYES.**  
**DO NOT USE ON LARGE AREAS OF THE BODY OR ON BROKEN, BLISTERED OR OozING SKIN.**  
**STOP USE AND ASK A DOCTOR IF CONDITION WORSENS OR SYMPTOMS PERSIST FOR MORE THAN 7 DAYS.**  
**IF SWALLOWED, GET MEDICAL HELP OR CONTACT A POISON CONTROL CENTER IMMEDIATELY.**  
**PHYSICAL HAZARDS:**  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
**HEALTH HAZARDS:**  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
**ENVIRONMENTAL HAZARDS:**  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
**OSHA DEFINED HAZARDS:**  
THIS MIXTURE DOES NOT MEET THE CLASSIFICATION CRITERIA ACCORDING TO OSHA HAZCOM 2012.  
**LABEL ELEMENTS:**  
**HAZARD SYMBOL:** NONE  
**SIGNAL WORD:** NONE  
**HAZARD STATEMENT:**  
THE MIXTURE DOES NOT MEET THE CRITERIA FOR CLASSIFICATION.  
**PRECAUTIONARY STATEMENT:**  
PREVENTION: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
RESPONSE: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
STORAGE: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
DISPOSAL: NONE REQUIRED ACCORDING TO OSHA HAZCOM 2012.  
**HAZARDS NOT OTHERWISE CLASSIFIED (HMOC):** NONE KNOWN.  
**SUPPLEMENTAL INFORMATION:** NONE.  
**ROUTE OF ENTRY:**  
**SKIN CONTACT:** MAY CAUSE IRRITATION, REDNESS, INFLAMMATION OR DRYNESS.  
**SKIN ABSORPTION:** NO ADVERSE CONDITIONS EXPECTED.  
**EYE CONTACT:**  
FLUSH EYES WITH CLEAR RUNNING WATER FOR A MINIMUM OF 15 MINUTES; IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
**INHALATION:** NOT EXPECTED DUE TO FUMES.  
**INGESTION:** MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**MIXTURES:**

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
BENZALKONIUM CHLORIDE		63449-41-2	0.13
LIDOCAINE HCl		6108-05-0	0.5
GLYCERIN	1, 2, 3, PROPANTRIOL	56-81-6	PROPRIETARY
TRITHANOLAMINE	TROLAMINE	102-71-6	PROPRIETARY
PROPYLENE GLYCOL	1, 2, 3, PROPANTRIOL 2-HYDROXYPROPANOL	57-55-6	PROPRIETARY

**SECTION 4: FIRST AID MEASURES**

**SKIN CONTACT:**  
WASH OFF WITH WARM WATER AND SOAP. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.  
**SKIN ABSORPTION:** NO ADVERSE CONDITIONS EXPECTED.  
**EYE CONTACT:**  
FLUSH EYES WITH CLEAR RUNNING WATER FOR A MINIMUM OF 15 MINUTES; IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
**INHALATION:** REMOVE VICTIM TO FRESH AIR.  
**INGESTION:** MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

**SECTION 5: FIRE-FIGHTING MEASURES**

**FLAMMABLE:** NO  
**MEANS OF EXTINCTION:**  
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE. USE WATER SPRAY, FOM OR DRY CHEMICAL.  
**IN FIRES INVOLVING LARGE QUANTITIES OF THIS PRODUCT, THE USE OF LARGE STREAMS OF WATER SHOULD BE AVOIDED.**  
**USE SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES THAT INVOLVE THIS MATERIAL.**  
**FLASH POINT AND METHOD:** NA  
**UPPER FLAMMABLE LIMIT (% BY VOLUME):** NA  
**LOWER FLAMMABLE LIMIT (% BY VOLUME):** NA  
**AUTOIGNITION TEMPERATURE (DEG. C):** NA  
**EXPLOSION DATA - SENSITIVITY TO IMPACT:**  
NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.  
**EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE:**  
NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.  
**HAZARDOUS COMBUSTION PRODUCTS:** CARBON OXIDES. NITROGEN OXIDES (NOX).  
**MFPA:**  
HEALTH 1  
FIRE 0  
REACTIVITY 0  
OTHER NA

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**  
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.  
**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:**  
ABSORB SPILLS WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A SEALED CONTAINER FOR CHEMICAL WASTE.  
**LARGE SPILLS:**  
FLUSH WITH PLENTY OF WATER. PREVENT ENTRY INTO WATERWAYS, SEWER, BASEMENTS OR CONFINED AREAS. DIKE FOR LATER DISPOSAL.  
**SMALL SPILLS:**  
WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE). CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.  
**ENVIRONMENTAL PRECAUTIONS:** AVOID DISCHARGE INTO DRAINS AND WATER SOURCES.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING PROCEDURES AND EQUIPMENT:**  
KEEP THIS AND OTHER CHEMICALS OUT OF THE REACH OF CHILDREN.  
**STORAGE TEMPERATURE:**  
DO NOT STORE OR MIX WITH STRONG ACIDS OR OXIDIZERS. STORE AT ROOM TEMPERATURE.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS:**

COMPONENTS	ACGIH-TLVS	OSHA-PELS	NIOSH	FORM
GLYCERIN (CAS 57-55-6)	NE	5 MG/M3		AEROSOL
PROPYLENE GLYCOL (CAS 57-55-6)	10 MG/M3		NE	AEROSOL
TRITHANOLAMINE (CAS 102-71-6)	5 MG/M3	NE	NE	AEROSOL

**BIOLOGICAL LIMIT VALUES:**  
NO BIOLOGICAL EXPOSURE LIMITS NOTED FOR THE INGREDIENTS.  
**VENTILATION AND ENGINEERING CONTROLS:** ENSURE ADEQUATE VENTILATION.  
**PERSONAL PROTECTIVE EQUIPMENT:** NONE REQUIRED UNDER NORMAL CONDITIONS.  
**HAND PROTECTION:** NONE REQUIRED UNDER NORMAL CONDITIONS.  
**EYE AND FACE PROTECTION:**  
EYE PROTECTION, AS NECESSARY TO PREVENT EXCESSIVE CONTACT.  
**SKIN PROTECTION:** NONE REQUIRED UNDER NORMAL CONDITIONS.  
**GENERAL HYGIENE CONSIDERATIONS:** PRACTICE SAFE WORK HABITS.  
**OTHER PROTECTIVE EQUIPMENT:**  
EYE WASH STATIONS SHOULD BE NEARBY AND READY TO USE.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** CREAM.  
**PHYSICAL STATE:** CREAM.  
**FORM:** CREAM.  
**COLOR:** WHITE, HOMOGENEOUS.  
**ODOR:** SLIGHTLY FATTY ODOR.  
**PH:** NO INFORMATION AVAILABLE.  
**BOILING POINT:** 275 DEG. F  
**MELTING POINT:** NO INFORMATION AVAILABLE.  
**FLASH POINT:** N/A  
**EXPLOSIVE PROPERTIES:** NO INFORMATION AVAILABLE.  
**OXIDIZING PROPERTIES:** NO INFORMATION AVAILABLE.  
**SPECIFIC GRAVITY:** 0.81  
**WATER SOLUBILITY:** MISCIBLE.  
**PARTITION COEFFICIENT:** NO INFORMATION AVAILABLE.  
**BIODEGRADABILITY:** THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION.  
**WATER SOLUBILITY:** MISCIBLE.  
**WATER SOLUBILITY:** MISCIBLE.  
**WATER SOLUBILITY:** MISCIBLE.  
**VAPOR PRESSURE (MMHg):** NO INFORMATION AVAILABLE.  
**VAPOR DENSITY (AIR=1):** NO INFORMATION AVAILABLE.  
**EVAPORATION RATE:** NO INFORMATION AVAILABLE.  
**% VOLATILE:** NO INFORMATION AVAILABLE.

**SECTION 10: STABILITY AND REACTIVITY**

**REACTIVITY:**  
THE PRODUCT IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE.  
**CHEMICAL STABILITY:** STABLE AT NORMAL CONDITIONS.  
**POSSIBILITY OF HAZARDOUS REACTIONS:**  
HAZARDOUS POLYMERIZATION DOES NOT OCCUR.  
**CONDITIONS TO AVOID:** EXTREME HEAT.  
**MATERIALS TO AVOID:** STRONG OXIDANTS AND STRONG ACIDS.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE, CARBON DIOXIDE.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:**  
THE HEALTH HAZARD INFORMATION PROVIDED IS FOR HANDLING THIS PRODUCT IN AN OCCUPATIONAL SETTING.  
**EFFECTS OF ACUTE AND CHRONIC EXPOSURE:**  
**ACUTE:**  
THE PRIMARY HEALTH EFFECT THAT MAY BE EXPERIENCED IN AN OCCUPATIONAL SETTING IS MILD IRRITATION OF CONTAMINATED SKIN. ACCIDENTAL INGESTION MAY BE HARMFUL. UNEXPECTEDLY, IRRITATION CAN IRRITATE THE RESPIRATORY SYSTEM. EYE CONTACT WILL CAUSE IRRITATION.  
**CHRONIC:** NE  
**TARGET ORGANS:**  
**ACUTE:**  
OCCUPATIONAL EXPOSURE: SKIN, EYES.  
**CHRONIC:**  
OCCUPATIONAL EXPOSURE: SKIN.  
**INHALATION:**  
MIST MAY SLIGHTLY IRRITATE THE NOSE, THROAT AND LUNGS. SYMPTOMS ARE GENERALLY ALLEVIATED UPON BREATHING FRESH AIR.  
**SKIN CONTACT:**  
SKIN CONTACT MAY CAUSE BURNING SENSATION, STINGING, ITCHING AND TINGLING.  
**EYE CONTACT:**  
EYE CONTACT CAN CAUSE IRRITATION, STINGING, REDNESS AND TINGLING.  
**INGESTION:**  
INGESTION IS NOT A SIGNIFICANT ROUTE OF OCCUPATIONAL OVEREXPOSURE. ACUTE INGESTION OF LARGE QUANTITIES OF THIS PRODUCT OR CHRONIC INGESTION MAY CAUSE ADVERSE SYMPTOMS THAT MAY INCLUDE NAUSEA, VOMITING AND DIARRHEA.  
**IRRITANCY OF THE PRODUCT:**  
THIS PRODUCT MAY CAUSE MILD TO MODERATE IRRITATION ON DAMAGED SKIN.  
**SKIN SENSITIZATION:** NOT EXPECTED.  
**RESPIRATORY SENSITIZATION:** NOT EXPECTED.  
**LD50/LC50:**  
PROPYLENE GLYCOL (CAS 57-55-6):  
ORAL (RAT): 2200 MG/K  
DERMAL: (RABBIT) 20800 MG/K  
TRITHANOLAMINE:  
ORAL (RAT): 6110 MG/KG  
DERMAL: (RABBIT): >19870 MG/K  
GLYCERIN (MIST):  
ORAL (RAT): 42,400 MG/KG  
SUBCUTANEOUS (RAT): NOT AVAILABLE  
**CARCINOGENICITY:** NOT CLASSIFIED AS A HUMAN CARCINOGEN BY IARC OR ACGIH.  
**REPRODUCTIVE TOXICITY:**  
**MUTAGENIC/EMBRYO TOXICITY:**  
THE COMPONENTS OF THIS PRODUCT ARE NOT REPORTED TO CAUSE MUTAGENIC OR EMBRYONIC EFFECTS IN HUMANS.  
**TERATOGENICITY:** NOT AVAILABLE.  
**REPRODUCTIVE TOXICITY:** NOT AVAILABLE.

**SECTION 12: ECOLOGICAL INFORMATION**

**NO SPECIFIC INFORMATION IS CURRENTLY AVAILABLE ON THE EFFECT OF THIS PRODUCT ON PLANTS OR ANIMALS IN THE ENVIRONMENT. THE PRODUCT MAY BE HARMFUL TO CONTAMINATED TERRESTRIAL AND AQUATIC PLANT LIFE IN LARGE QUANTITIES. THE FOLLOWING AQUATIC TOXICITY DATA CURRENTLY AVAILABLE FOR COMPONENTS OF THIS PRODUCT:**  
**PROPYLENE GLYCOL:**  
EC50 GREEN ALGAE (DESMODESMUS SUBSPICATUS): 19000 MG/L 96 HOURS  
EC50 WATER FLEA (DAPHNIA MAGNA): 43500 MG/L 48 HOURS  
LC 50 FATHEAD MINNOW (PIMEPHALES PROMELAS): 46500 MG/L 96 HOURS  
**TRITHANOLAMINE:**  
EC50 GREEN ALGAE (DESMODESMUS SUBSPICATUS): 512 MG/L 72 HOURS  
NOEC WATER FLEA (DAPHNIA MAGNA): 16 MG/L 21 DAYS  
LC 50 FATHEAD MINNOW (PIMEPHALES PROMELAS): 11800 MG/L 96 HOURS  
**ENVIRONMENTAL EXPOSURE CONTROLS:**  
CONTROLS SHOULD BE ENGINEERED TO PREVENT RELEASE TO THE ENVIRONMENT, INCLUDING PROCEDURES TO PREVENT SPILLS, ATMOSPHERIC RELEASE AND RELEASE TO WATERWAYS.  
**NO COMPONENT OF THIS PRODUCT IS KNOWN TO HAVE OZONE DEPLETION POTENTIAL.**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**DISPOSAL INSTRUCTIONS:**  
COLLECT OR DISPOSE IN SEALED CONTAINERS AT LICENSED WASTE DISPOSAL SITE. DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

**DOT CLASSIFICATION:** NOT REGULATED FOR DOMESTIC TRANSPORT.  
**IATA CLASSIFICATION:** NOT REGULATED FOR INTERNATIONAL TRANSPORT.  
**IMDG CLASSIFICATION:** NOT REGULATED FOR INTERNATIONAL WATER TRANSPORT.

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:**  
TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT REGULATED.  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NOT LISTED.  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 304: NOT REGULATED.  
SARA 311/312 HAZARD CATEGORIES: NOT REGULATED.  
SARA 313 REPORTABLE INGREDIENTS: NOT LISTED.  
**STATE REGULATIONS:**  
CALIFORNIA PROP 65:  
THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH, OR ANY OTHER REPRODUCTIVE DEFECTS.  
NEW JERSEY RTK:  
GLYCERIN (CAS 56-81-5)  
PROPYLENE GLYCOL (CAS 57-55-6)  
TRITHANOLAMINE (CAS 102-71-6)  
MASSACHUSETTS RTK:  
TRITHANOLAMINE (CAS 102-71-6)  
PENNSYLVANIA RTK:  
PROPYLENE GLYCOL (CAS 57-55-6)  
TRITHANOLAMINE (CAS 102-71-6)  
**INTERNATIONAL REGULATIONS:**

COUNTRY OR REGION	INVENTORY NAME	LISTED
AUSTRALIA	AUSTRALIA INVENTORY OF CHEMICAL SUBSTANCES	NO
CANADA	DOMESTIC SUBSTANCE LIST (DSL)	YES
CANADA	NON-DOMESTIC CHEMICALS LIST (NDCL)	NO
CHINA	INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECS)	YES
EUROPE	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (EINECS)	YES
EUROPE	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS)	NO
JAPAN	INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS)	NO
KOREA	EXISTING CHEMICALS LIST (ECL)	YES
NEW ZEALAND	NEW ZEALAND INVENTORY	YES
PHILIPPINES	PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS)	NO
UNITED STATES & PUERTO RICO	TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY	NO

**NOTE:**  
A "YES" INDICATES THAT ALL COMPONENTS COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY.  
A "NO" INDICATES THAT ONE OR MORE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY.

**SECTION 16: OTHER INFORMATION**

**ISSUE DATE:** 08-25-2015  
**VERSION:** 02

**DISCLAIMER:**  
THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET (SDS) IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR PROCESSES.

**NAME:** FIRST AID BURN CREAM





# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Perma-Mend™ Repair Patch

**Other means of identification**

**Product code** 14089, 14094, 14096

**Recommended use** Self-adhesive repair patch

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufactured or sold by:**

**Company name** CRC Industries, Inc.  
**Address** 885 Louis Dr.  
Warminster, PA 18974 US

**Telephone**

**General Information** 215-674-4300

**Technical Assistance** 800-521-3168

**Customer Service** 800-272-4620

**24-Hour Emergency (CHEMTREC)** 800-424-9300 (US)

703-527-3887 (International)

**Website** www.crcindustries.com

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 2B  
Sensitization, respiratory Category 1B  
Sensitization, skin Category 1B  
Carcinogenicity Category 2

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** May cause an allergic skin reaction. Causes eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

**Response** If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. If exposed or concerned: Get medical attention.

**Storage** Store locked up.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Mineral fillers		Not Applicable	40 - 50
Fiberglass		Not Applicable	20 - 30
Polyester resin		Not Applicable	20 - 30
Styrene		100-42-5	< 1

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Not likely, due to the form of the product. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate protective equipment and clothing during clean-up. Avoid contact with skin and eyes. Avoid breathing mist or vapor. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is a flexible solid and cannot leak or spill. In case of accidental release, source of ignition should be removed and the product placed in containers such as covered steel drums to await disposal. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.



## 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Keep away from heat and sources of ignition. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). For maximum storage life and to maintain material workability, store below 72 °F/22 °C. Material is packaged in special bags impermeable to styrene. Do not puncture bag. Reseal after partial use.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Styrene (CAS 100-42-5)	Ceiling	200 ppm
	TWA	100 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Styrene (CAS 100-42-5)	STEL	40 ppm
	TWA	20 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Styrene (CAS 100-42-5)	STEL	425 mg/m <sup>3</sup>
		100 ppm
	TWA	215 mg/m <sup>3</sup>
		50 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Styrene (CAS 100-42-5)	400 mg/g	Mandelic acid plus phenylglyoxylic acid	Creatinine in urine	*
	0.2 mg/l	Styrene	Venous blood	*

\* - For sampling details, please see the source document.

### Exposure guidelines

#### US - California OELs: Skin designation

Styrene (CAS 100-42-5) Can be absorbed through the skin.

#### US - Minnesota Haz Subs: Skin designation applies

Styrene (CAS 100-42-5) Skin designation applies.

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate. Provide eyewash station.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Wear protective gloves such as: Impervious gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

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### Appearance

<b>Physical state</b>	Solid.
<b>Form</b>	Patch.
<b>Color</b>	Gray.
<b>Odor</b>	Styrene.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	840 °F (448.9 °C)
<b>Evaporation rate</b>	None.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.9 %
<b>Flammability limit - upper (%)</b>	6.6 %
<b>Vapor pressure</b>	8.5 hPa estimated
<b>Vapor density</b>	3.6 (air = 1)
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Insoluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity (kinematic)</b>	Not available.
<b>Percent volatile</b>	0 % estimated

## 10. Stability and reactivity

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<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials. High temperatures and direct UV light in uncured state.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

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### Information on likely routes of exposure

<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Causes eye irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**

Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash.

**Information on toxicological effects**

**Acute toxicity** May cause an allergic skin reaction.

Product	Species	Test Results
Perma-Mend™ Repair Patch		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 20 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes eye irritation.

**Respiratory sensitization** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Styrene (CAS 100-42-5) 2B Possibly carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Styrene (CAS 100-42-5) Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**12. Ecological information**

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product	Species	Test Results	
Perma-Mend™ Repair Patch			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	550 mg/l, 48 hours estimated
Fish	LC50	Fish	5079.6665 mg/l, 96 hours estimated
<b>Components</b>			
<b>Species</b>			
<b>Test Results</b>			
Styrene (CAS 100-42-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	3.3 - 7.4 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	5.1 - 16 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

## Bioaccumulative potential

### Partition coefficient n-octanol / water (log Kow)

Styrene 2.95

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## 13. Disposal considerations

**Disposal of waste from residues / unused products** Cure waste material by exposing to UV light (sunlight or artificial) and dispose of as non-hazardous solid waste as per local regulations. Dispose in accordance with all applicable regulations.

**Hazardous waste code** Not regulated.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

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## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Styrene (CAS 100-42-5)

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### CERCLA Hazardous Substances: Reportable quantity

Not listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Section 311/312 Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

## US state regulations

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Styrene (CAS 100-42-5)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Styrene (CAS 100-42-5)

**US. Massachusetts RTK - Substance List**

None.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Styrene (CAS 100-42-5)

**US. Rhode Island RTK**

None.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## Volatile organic compounds (VOC) regulations

### EPA

**VOC content (40 CFR 51.100(s))** 0.6 %

**Consumer products (40 CFR 59, Subpt. C)** Not regulated

### State

**Consumer products** Not regulated

**VOC content (CA)** 0.6 %

**VOC content (OTC)** 0.6 %

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	06-16-2015
<b>Prepared by</b>	Allison Cho
<b>Version #</b>	01
<b>Further information</b>	Not available.
<b>HMIS® ratings</b>	Health: 1* Flammability: 1 Physical hazard: 0 Personal protection: B

**NFPA ratings**

Health: 1  
Flammability: 1  
Instability: 0

**NFPA ratings****Disclaimer**

CRC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Industries.



# SAFETY DATA SHEET

Issuing Date 11-Nov- 2014

Revision Date 11-Nov-2014

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product SDS Name Steel Reinforced Epoxy Resin – Twin Tubes - Part A

### J-B Weld FG SKU Part Numbers Covered

8265, 8265F, 8276, 8276F, 8265S, 8265A, 8265H, 8272, 8272F, 8280, 8280F, 8281, 80165, 7265S, 7280, 8276A, 8273H, 8270, 8270F, 8271, 80176, 7276, 7270

### J-B Weld Product Names Covered

J-B Weld™ (all Twin Tubes), KwikWeld™ (all Twin Tubes), MarineWeld™ (Twin Tubes Only)

### J-B Weld Product Type

Steel Reinforced Epoxy

### Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Adhesive

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name J-B WELD COMPANY,LLC  
Supplier Address 1130 COMO ST  
SULPHUR SPRINGS, TX 75482  
USA

### **Emergency Telephone Numbers**

Transportation Emergencies: Chemtrec (24 hour transportation emergency response info):  
800-424-9300 or 703-527-3887

Poison/Medical Emergencies: Poison Control Centers (24 hour emergency poison / medical response info): 800-222-1222

Supplier Email [info@jbweld.com](mailto:info@jbweld.com)

Supplier Phone Number 903-885-7696

## 2. HAZARDS IDENTIFICATION

### **OSHA/HCS status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### **Classification of the substance or mixture GHS label elements**

SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B  
SKIN SENSITIZATION - Category 1



### **Hazard pictograms Signal word Hazard statements**

Warning!  
Causes skin and eye irritation.  
May cause an allergic skin reaction.

## Precautionary statements

### Prevention

Wear protective gloves. Wear eye or face protection. Avoid breathing dust. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

### Response

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

### Storage

Not applicable.

### Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Hazards not otherwise classified

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance/mixture

Mixture

Ingredient name	% by weight	CAS number
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	10 - 30	25068-38-6
crystalline silica non-respirable	0.1 - 1	14808-60-7
carbon black respirable	0.1 - 1	1333-86-4

Occupational exposure limits, if available, are listed in Section 8.

## 4. FIRST AID MEASURES

### Description of necessary first aid measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Skin contact

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

### Potential acute health effects

#### Inhalation

No known significant effects or critical hazards.

#### Skin contact

Causes skin irritation. May cause an allergic skin reaction.

#### Eye contact

Causes serious eye irritation.

#### Ingestion

Irritating to mouth, throat and stomach.





### Over-exposure signs/symptoms

<b>Inhalation</b>	No specific data.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation redness
<b>Eye contact</b>	Adverse symptoms may include the following: pain or irritation watering redness
<b>Ingestion</b>	No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** No specific treatment.

See toxicological information (Section 11)

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.

**Specific hazards arising from the chemical** No specific fire or explosion hazard.

### National Fire Protection Association (U.S.A.)



### **Hazardous thermal decomposition products**

Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides

### **Special protective actions for fire-fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### **Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

#### Small spill

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### Large spill

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. HANDLING AND STORAGE

### Conditions for safe storage, including any incompatibilities

Do not store below the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Precautions for safe handling

#### Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Occupational exposure limits

Ingredient name	CAS #	Exposure limits
crystalline silica non-respirable	14808-60-7	<p><b>OSHA PEL Z3 (United States, 9/2005). Notes: 250/(%SiO<sub>2</sub>+5)</b> TWA: 250 MPPCF / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable</p> <p><b>OSHA PEL Z3 (United States, 9/2005). Notes: 10/(SiO<sub>2</sub>+2)</b> TWA: 10 MG/M3 / (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable</p> <p><b>ACGIH TLV (United States, 3/2012).</b> TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p> <p><b>NIOSH REL (United States, 1/2013).</b> TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: respirable dust</p> <p><b>OSHA PEL Z3 (United States, 9/2005). Notes: 30/(%SiO<sub>2</sub>+2)</b> TWA: 30 MG/M3 / (%SiO<sub>2</sub>+2) 8 hours. Form: Total dust.</p>
carbon black respirable	1333-86-4	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 3.5 mg/m<sup>3</sup> 8 hours.</p> <p><b>ACGIH TLV (United States, 6/2013).</b> TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</p> <p><b>NIOSH REL (United States, 10/2013).</b> TWA: 3.5 mg/m<sup>3</sup> 10 hours. TWA: 0.1 mg of PAHs/cm<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 2/2013).</b> TWA: 3.5 mg/m<sup>3</sup> 8 hours.</p>

**Appropriate engineering controls** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Environmental exposure controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection** Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin protection**  
**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



**Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid.
<b>Color</b>	Black. [Dark]
<b>Odor</b>	Ethereal. [Slight]
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Closed cup: >93.3°C (>199.9°F) [Setaflash.] [Product does not sustain combustion.]
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Non-flammable in the presence of the following materials or conditions: heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
<b>Lower and upper explosive (flammable) limits</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.927
<b>Solubility</b>	Insoluble in the following materials: cold water and hot water.
<b>Solubility in water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	>220°C (>428°F)
<b>Viscosity</b>	Not available.
<b>VOC (% content)</b>	<1%

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	No specific data
<b>Incompatible materials</b>	No specific data
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



# 11. TOXICOLOGICAL INFORMATION

## Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
carbon black respirable	LD50 Oral	Rat	>15400 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
reaction product: bisphenol-A(epichlorhydrin); epoxy resin	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 microliters	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 milligrams	-

### Sensitization

No specific data.

### Mutagenicity

No specific data.

### Carcinogenicity

No specific data.

### Classification

Product/ingredient name	OSHA	IARC	NTP
crystalline silica nonrespirable	-	1	Known to be a human carcinogen.
carbon black respirable	-	2B	-

### Reproductive toxicity

No specific data.

### Teratogenicity

No specific data.

### Specific target organ toxicity (single exposure)

No specific data.

### Specific target organ toxicity (repeated exposure)

No specific data.

### Aspiration hazard

No specific data.

### Information on the likely routes of exposure

Not available.

### Potential acute health effects

#### Eye contact

Causes serious eye irritation.

#### Inhalation

No known significant effects or critical hazards.

#### Skin contact

Causes skin irritation. May cause an allergic skin reaction.

#### Ingestion

Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics



**Eye contact** Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Inhalation** No specific data.

**Skin contact** Adverse symptoms may include the following:  
 irritation  
 redness

**Ingestion** No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

Short term exposure

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

Long term exposure

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

Potential chronic health effects No specific data.

**General** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No known significant effects or critical hazards.

**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

Numerical measures of toxicity

**Acute toxicity estimates** No specific data.

**12. ECOLOGICAL INFORMATION**

Toxicity  
 No specific data.

Persistence and degradability  
 No specific data.

Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
reaction product: bisphenol-A(epichlorhydrin); epoxy resin	2.64 to 3.78	31	low

Mobility in soil  
**Soil/water partition coefficient (K<sub>oc</sub>)** Not available.

**Other adverse effects** No known significant effects or critical hazards.

**13. DISPOSAL CONSIDERATIONS**



**Disposal methods**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**RCRA classification**

Not available.

## 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
<b>UN Number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

**Special precautions for user**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. REGULATORY INFORMATION

**U.S. Federal regulations**

**TSCA 8(a) PAIR:** Siloxanes and Silicones, di-Me, reaction products with silica

**TSCA 9(a) CDR Exempt/partial exemption:** Not determined

**United States Inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)**

Not listed

**Clean Air Act Section 602 Class I Substances**

Not listed

**Clean Air Act Section 602 Class II Substances**

Not listed

**SARA 302/304****Composition/information on ingredients**

No products were found.

**SARA 304 RQ**

Not applicable



## Classification

Immediate (acute) health hazard

Composition / information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	10-30	No.	No.	No.	Yes.	No.
crystalline silica non-respirable	0.1-1	No.	No.	No.	No.	Yes
carbon black respirable	0.1-1	No.	No.	No.	No.	Yes.

State regulations**Massachusetts**

The following components are listed: CALCIUM CARBONATE

**New York**

None of the components are listed.

**New Jersey**The following components are listed: CALCIUM CARBONATE; LIMESTONE, SILICA, QUARTZ; QUARTZ (SiO<sub>2</sub>); CARBON BLACK**Pennsylvania**The following components are listed: LIMESTONE; QUARTS (SiO<sub>2</sub>); CARBON BLACK**Minnesota Hazardous Substances**

None of the components are listed.

California Prop. 65**WARNING: This product contains a chemical known to the State of California to cause cancer.**

Ingredient Name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
crystalline silica non-respirable	Yes.	No.	No.	No.
carbon black respirable	Yes.	No.	No.	No.

**Canada inventory**

All components are listed or exempted.

International regulations**International lists****Australia inventory (AICS):** All components are listed or exempted.**China inventory (IECSC):** All components are listed or exempted.**Japan inventory:** Not determined.**Korea inventory:** All components are listed or exempted.**Malaysia Inventory (EHS Register):** Not determined.**New Zealand Inventory of Chemicals (NZIoC):** Not determined.**Phillipines inventory (PICCS):** All components are listed or exempted.**Taiwan inventory (CSNN):** Not determined.Substances of very high concern

None of the components are listed.

**16. OTHER INFORMATION****Key to abbreviations**

ATE = Acute Toxicity Estimate





BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

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# MSDS

## SECTION 1 – Chemical Product and Company Identification

J-B Weld Company

**P.O. Box 483**  
**1130 Como Street**  
**Sulphur Springs, TX 75482**  
**Tel: (903) 885-7696**  
**Fax: (903) 885-5911**

**PRODUCT NAME:** JB Weld Epoxy Steel Hardener  
**PRODUCT CODE:** (48008), 48105, 48155, 48171  
**SYNONYM/CROSS REFERENCE:** Epoxy Steel Hardener  
**SCHEDULE B NUMBER:** 3214.10.0090

## SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

EYES: Contact with eyes can cause severe irritation, possible irreparable eye damage.

SKIN: Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

INHALATION: Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

INGESTION: Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: skin, inhalation

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Furfuryl Alcohol	1-5%	98-00-0
Calcium Carbonate	5-10%	1317-65-3, 471-34-1
Non-fibrous Talc	15-25%	14807-96-6
Barium Sulfate	20-30%	7727-43-7
Aminophenols	1-5 %	Mixture
Polyamide Resin	15-25%	68410-23-1
Titanium Dioxide	1-5%	13463-67-7

## SECTION 4 – First Aid Measures

INHALATION: If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

SKIN: For skin contact, wash promptly with soap and excess water.

EYES: For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

INGESTION: If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

# MSDS

## SECTION 5 – Fire-Fighting Measures

FLASH POINT: >200°F/93°C Seta Flash Closed cup

LOWER FLAMMABLE LIMIT %: N/E

UPPER FLAMMABLE LIMIT %: N/E

FIRE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES: Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Closed containers exposed to high temperatures, such as fire conditions may rupture.

## SECTION 6 – Accidental Release Measures

SPILLS, LEAK OR RELEASE: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

## SECTION 7 – Handling and Storage

STORAGE AND HANDLING: Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

## SECTION 8 – Exposure Controls and Personal Protection

### INGREDIENTS

### CAS #

### TLV/PEL

Calcium Carbonate	1317-65-3 471-34-1	ACGIH TWA 10 mg/m <sup>3</sup> OSHA PEL 15 mppcf
Non-fibrous Talc	14807-96-6	ACGIH TWA 2 mg/m <sup>3</sup> OSHA PEL 20 mppcf
Barium Sulfate	7727-43-7	ACGIH TWA 10 mg/m <sup>3</sup> OSHA 15 mg/m <sup>3</sup> Total dust OSHA 15 mg/m <sup>3</sup> Respirable dust
Aminophenols	Mixture	N/E
Polyamide Resin	68410-23-1	N/E
Titanium Dioxide	13463-67-7	ACGIH TWA 10 mg/m <sup>3</sup> OSHA PEL 20 mg/m <sup>3</sup>
Furfuryl Alcohol	98-00-0	ACGIH TWA 10 ppm

RESPIRATORY PROTECTION: If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

PROTECTIVE GLOVES: To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

EYE PROTECTION: Safety Glasses or goggles with splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing as required to prevent skin contact.

# MSDS

## ACTION 9 – Physical and Chemical Properties

APPEARANCE: White Paste

SPECIFIC GRAVITY: 1.78

VAPOR PRESSURE (mmHG): Heavier than air

BOILING POINT: N/A<sub>v</sub>

VAPOR DENSITY: Heavier than air

EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether

VOLATILES BY WEIGHT:

SOLUBILITY IN WATER: None

VOC: Grams/Liter = 72

Lbs/Gallon = 0.6

## SECTION 10 – Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.

INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11 – Toxicological Information

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Eye, skin, lung, and central nervous system damage.

CARCINOGEN: YES  NO

TERATOGEN: YES  NO

MUTAGEN: YES  NO

## SECTION 12 – Ecological Information

NOT A MARINE POLLUTANT

## SECTION 13 – Disposal Considerations

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

## SECTION 14 – Transport Information

### **For Ground Transport: In USA**

Not Regulated

### **For Air Transport:**

Not Regulated

### **For Ocean Transport:**

Not Regulated

# MSDS

## SECTION 15 – Regulatory Information

### CALIFORNIA PROPOSITION 65:

Trace amounts of some chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be present in this product.

### SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
----------------------	------------	-----------------

N/Ap

This information must be included in all MSDS that are copied and distributed for this chemical.

## SECTION 16 – Other Information

HMIS RATING:	Health	2	4 = Extreme
	Fire	1	3 = High
	Reactivity	1	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

## ABBREVIATIONS

IARC = International Agency for Research on Cancer  
ACGIH = American Conference of Governmental Industrial Hygienists  
NIOSH = National Institute of Occupational Safety and Health  
TLV = Threshold Limit Value  
PEL = Permissible Emission Level  
DOT = Department of Transportation  
NTP = National Toxicology Program  
N/AV = Not Available  
N/AP = Not Applicable  
N/E = Not Established  
N/D = Not Determined

# MSDS

PREPARED BY:

J-B Weld Company

**P.O. Box 483**  
**1130 Como Street**  
**Sulphur Springs, TX 75482**  
**Tel: (903) 885-7696**  
**Fax: (903) 885-5911**

DATE REVIEWED:

February 6, 2009

DATE REVISED:

February 6, 2009

REVISION:

New Format

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.



# SAFETY DATA SHEET

Issuing Date 11-Nov- 2014

Revision Date 11-Nov-2014

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product SDS Name Steel Reinforced Epoxy Resin – Twin Tubes - Part A

### J-B Weld FG SKU Part Numbers Covered

8265, 8265F, 8276, 8276F, 8265S, 8265A, 8265H, 8272, 8272F, 8280, 8280F, 8281, 80165, 7265S, 7280, 8276A, 8273H, 8270, 8270F, 8271, 80176, 7276, 7270

### J-B Weld Product Names Covered

J-B Weld™ (all Twin Tubes), KwikWeld™ (all Twin Tubes), MarineWeld™ (Twin Tubes Only)

### J-B Weld Product Type

Steel Reinforced Epoxy

### Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Adhesive

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name J-B WELD COMPANY,LLC  
Supplier Address 1130 COMO ST  
SULPHUR SPRINGS, TX 75482  
USA

### **Emergency Telephone Numbers**

Transportation Emergencies: Chemtrec (24 hour transportation emergency response info):  
800-424-9300 or 703-527-3887

Poison/Medical Emergencies: Poison Control Centers (24 hour emergency poison / medical response info): 800-222-1222

Supplier Email [info@jbweld.com](mailto:info@jbweld.com)

Supplier Phone Number 903-885-7696

## 2. HAZARDS IDENTIFICATION

### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture GHS label elements

SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B  
SKIN SENSITIZATION - Category 1



### Hazard pictograms

#### Signal word

Warning!

#### Hazard statements

Causes skin and eye irritation.  
May cause an allergic skin reaction.

## Precautionary statements

### Prevention

Wear protective gloves. Wear eye or face protection. Avoid breathing dust. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

### Response

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

### Storage

Not applicable.

### Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Hazards not otherwise classified

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance/mixture

Mixture

Ingredient name	% by weight	CAS number
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	10 - 30	25068-38-6
crystalline silica non-respirable	0.1 - 1	14808-60-7
carbon black respirable	0.1 - 1	1333-86-4

Occupational exposure limits, if available, are listed in Section 8.

## 4. FIRST AID MEASURES

### Description of necessary first aid measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Skin contact

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

### Potential acute health effects

#### Inhalation

No known significant effects or critical hazards.

#### Skin contact

Causes skin irritation. May cause an allergic skin reaction.

#### Eye contact

Causes serious eye irritation.

#### Ingestion

Irritating to mouth, throat and stomach.





### Over-exposure signs/symptoms

<b>Inhalation</b>	No specific data.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation redness
<b>Eye contact</b>	Adverse symptoms may include the following: pain or irritation watering redness
<b>Ingestion</b>	No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** No specific treatment.

See toxicological information (Section 11)

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.

**Specific hazards arising from the chemical** No specific fire or explosion hazard.

### National Fire Protection Association (U.S.A.)

<b>Health</b>		<b>Flammability</b>
		<b>Instability/Reactivity</b>
		<b>Special</b>

### **Hazardous thermal decomposition products**

Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides

### **Special protective actions for fire-fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### **Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

#### Small spill

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### Large spill

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. HANDLING AND STORAGE

### Conditions for safe storage, including any incompatibilities

Do not store below the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Precautions for safe handling

#### Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Occupational exposure limits

Ingredient name	CAS #	Exposure limits
crystalline silica non-respirable	14808-60-7	<p><b>OSHA PEL Z3 (United States, 9/2005). Notes: 250/(%SiO<sub>2</sub>+5)</b> TWA: 250 MPPCF / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable</p> <p><b>OSHA PEL Z3 (United States, 9/2005). Notes: 10/(SiO<sub>2</sub>+2)</b> TWA: 10 MG/M3 / (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable</p> <p><b>ACGIH TLV (United States, 3/2012).</b> TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p> <p><b>NIOSH REL (United States, 1/2013).</b> TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: respirable dust</p> <p><b>OSHA PEL Z3 (United States, 9/2005). Notes: 30/(%SiO<sub>2</sub>+2)</b> TWA: 30 MG/M3 / (%SiO<sub>2</sub>+2) 8 hours. Form: Total dust.</p>
carbon black respirable	1333-86-4	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 3.5 mg/m<sup>3</sup> 8 hours.</p> <p><b>ACGIH TLV (United States, 6/2013).</b> TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</p> <p><b>NIOSH REL (United States, 10/2013).</b> TWA: 3.5 mg/m<sup>3</sup> 10 hours. TWA: 0.1 mg of PAHs/cm<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 2/2013).</b> TWA: 3.5 mg/m<sup>3</sup> 8 hours.</p>

**Appropriate engineering controls** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Environmental exposure controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection** Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin protection**  
**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



**Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid.
<b>Color</b>	Black. [Dark]
<b>Odor</b>	Ethereal. [Slight]
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Closed cup: >93.3°C (>199.9°F) [Setaflash.] [Product does not sustain combustion.]
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Non-flammable in the presence of the following materials or conditions: heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
<b>Lower and upper explosive (flammable) limits</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.927
<b>Solubility</b>	Insoluble in the following materials: cold water and hot water.
<b>Solubility in water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	>220°C (>428°F)
<b>Viscosity</b>	Not available.
<b>VOC (% content)</b>	<1%

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	No specific data
<b>Incompatible materials</b>	No specific data
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



# 11. TOXICOLOGICAL INFORMATION

## Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
carbon black respirable	LD50 Oral	Rat	>15400 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
reaction product: bisphenol-A(epichlorhydrin); epoxy resin	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 microliters	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 milligrams	-

### Sensitization

No specific data.

### Mutagenicity

No specific data.

### Carcinogenicity

No specific data.

### Classification

Product/ingredient name	OSHA	IARC	NTP
crystalline silica nonrespirable	-	1	Known to be a human carcinogen.
carbon black respirable	-	2B	-

### Reproductive toxicity

No specific data.

### Teratogenicity

No specific data.

### Specific target organ toxicity (single exposure)

No specific data.

### Specific target organ toxicity (repeated exposure)

No specific data.

### Aspiration hazard

No specific data.

### Information on the likely routes of exposure

Not available.

### Potential acute health effects

#### Eye contact

Causes serious eye irritation.

#### Inhalation

No known significant effects or critical hazards.

#### Skin contact

Causes skin irritation. May cause an allergic skin reaction.

#### Ingestion

Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics



**Eye contact** Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** No specific data.

**Skin contact** Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

**Long term exposure**

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

**Potential chronic health effects** No specific data.

**General** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No known significant effects or critical hazards.

**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates** No specific data.

**12. ECOLOGICAL INFORMATION**

**Toxicity**  
No specific data.

**Persistence and degradability**  
No specific data.

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
reaction product: bisphenol-A(epichlorhydrin); epoxy resin	2.64 to 3.78	31	low

**Mobility in soil**  
**Soil/water partition coefficient (K<sub>oc</sub>)** Not available.

**Other adverse effects** No known significant effects or critical hazards.

**13. DISPOSAL CONSIDERATIONS**



**Disposal methods**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**RCRA classification**

Not available.

## 14. TRANSPORT INFORMATION

	<b>DOT Classification</b>	<b>TDG Classification</b>	<b>Mexico Classification</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN Number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

**Special precautions for user**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. REGULATORY INFORMATION

**U.S. Federal regulations**

**TSCA 8(a) PAIR:** Siloxanes and Silicones, di-Me, reaction products with silica

**TSCA 9(a) CDR Exempt/partial exemption:** Not determined

**United States Inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)**

Not listed

**Clean Air Act Section 602 Class I Substances**

Not listed

**Clean Air Act Section 602 Class II Substances**

Not listed

**SARA 302/304****Composition/information on ingredients**

No products were found.

**SARA 304 RQ**

Not applicable



## Classification

Immediate (acute) health hazard

Composition / information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	10-30	No.	No.	No.	Yes.	No.
crystalline silica non-respirable	0.1-1	No.	No.	No.	No.	Yes
carbon black respirable	0.1-1	No.	No.	No.	No.	Yes.

State regulations**Massachusetts**

The following components are listed: CALCIUM CARBONATE

**New York**

None of the components are listed.

**New Jersey**The following components are listed: CALCIUM CARBONATE; LIMESTONE, SILICA, QUARTZ; QUARTZ (SiO<sub>2</sub>); CARBON BLACK**Pennsylvania**The following components are listed: LIMESTONE; QUARTS (SiO<sub>2</sub>); CARBON BLACK**Minnesota Hazardous Substances**

None of the components are listed.

California Prop. 65**WARNING: This product contains a chemical known to the State of California to cause cancer.**

Ingredient Name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
crystalline silica non-respirable	Yes.	No.	No.	No.
carbon black respirable	Yes.	No.	No.	No.

**Canada inventory**

All components are listed or exempted.

International regulations**International lists****Australia inventory (AICS):** All components are listed or exempted.**China inventory (IECSC):** All components are listed or exempted.**Japan inventory:** Not determined.**Korea inventory:** All components are listed or exempted.**Malaysia Inventory (EHS Register):** Not determined.**New Zealand Inventory of Chemicals (NZIoC):** Not determined.**Phillipines inventory (PICCS):** All components are listed or exempted.**Taiwan inventory (CSNN):** Not determined.Substances of very high concern

None of the components are listed.

**16. OTHER INFORMATION****Key to abbreviations**

ATE = Acute Toxicity Estimate





BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

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# MSDS

## SECTION 1 – Chemical Product and Company Identification

J-B Weld Company

**P.O. Box 483**  
**1130 Como Street**  
**Sulphur Springs, TX 75482**  
**Tel: (903) 885-7696**  
**Fax: (903) 885-5911**

**PRODUCT NAME:** JB Weld Epoxy Steel Hardener  
**PRODUCT CODE:** (48008), 48105, 48155, 48171  
**SYNONYM/CROSS REFERENCE:** Epoxy Steel Hardener  
**SCHEDULE B NUMBER:** 3214.10.0090

## SECTION 2 – Hazard Identification

**OVEREXPOSURE EFFECTS:**

**ACUTE EFFECTS:**

**EYES:** Contact with eyes can cause severe irritation, possible irreparable eye damage.

**SKIN:** Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**PRIMARY ROUTES OF EXPOSURE:** skin, inhalation

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Furfuryl Alcohol	1-5%	98-00-0
Calcium Carbonate	5-10%	1317-65-3, 471-34-1
Non-fibrous Talc	15-25%	14807-96-6
Barium Sulfate	20-30%	7727-43-7
Aminophenols	1-5 %	Mixture
Polyamide Resin	15-25%	68410-23-1
Titanium Dioxide	1-5%	13463-67-7

## SECTION 4 – First Aid Measures

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

# MSDS

## SECTION 5 – Fire-Fighting Measures

FLASH POINT: >200°F/93°C Seta Flash Closed cup

LOWER FLAMMABLE LIMIT %: N/E

UPPER FLAMMABLE LIMIT %: N/E

FIRE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES: Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Closed containers exposed to high temperatures, such as fire conditions may rupture.

## SECTION 6 – Accidental Release Measures

SPILLS, LEAK OR RELEASE: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

## SECTION 7 – Handling and Storage

STORAGE AND HANDLING: Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

## SECTION 8 – Exposure Controls and Personal Protection

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>TLV/PEL</u>
Calcium Carbonate	1317-65-3 471-34-1	ACGIH TWA 10 mg/m <sup>3</sup> OSHA PEL 15 mppcf
Non-fibrous Talc	14807-96-6	ACGIH TWA 2 mg/m <sup>3</sup> OSHA PEL 20 mppcf
Barium Sulfate	7727-43-7	ACGIH TWA 10 mg/m <sup>3</sup> OSHA 15 mg/m <sup>3</sup> Total dust OSHA 15 mg/m <sup>3</sup> Respirable dust
Aminophenols	Mixture	N/E
Polyamide Resin	68410-23-1	N/E
Titanium Dioxide	13463-67-7	ACGIH TWA 10 mg/m <sup>3</sup> OSHA PEL 20 mg/m <sup>3</sup>
Furfuryl Alcohol	98-00-0	ACGIH TWA 10 ppm

RESPIRATORY PROTECTION: If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

PROTECTIVE GLOVES: To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

EYE PROTECTION: Safety Glasses or goggles with splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing as required to prevent skin contact.

# MSDS

## ACTION 9 – Physical and Chemical Properties

APPEARANCE: White Paste

SPECIFIC GRAVITY: 1.78

VAPOR PRESSURE (mmHG): Heavier than air

BOILING POINT: N/A<sub>v</sub>

VAPOR DENSITY: Heavier than air

EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether

VOLATILES BY WEIGHT:

SOLUBILITY IN WATER: None

VOC: Grams/Liter = 72

Lbs/Gallon = 0.6

## SECTION 10 – Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.

INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11 – Toxicological Information

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Eye, skin, lung, and central nervous system damage.

CARCINOGEN: YES  NO

TERATOGEN: YES  NO

MUTAGEN: YES  NO

## SECTION 12 – Ecological Information

NOT A MARINE POLLUTANT

## SECTION 13 – Disposal Considerations

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

## SECTION 14 – Transport Information

### **For Ground Transport: In USA**

Not Regulated

### **For Air Transport:**

Not Regulated

### **For Ocean Transport:**

Not Regulated

# MSDS

## SECTION 15 – Regulatory Information

### CALIFORNIA PROPOSITION 65:

Trace amounts of some chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be present in this product.

### SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
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N/Ap

This information must be included in all MSDS that are copied and distributed for this chemical.

## SECTION 16 – Other Information

HMIS RATING:	Health	2	4 = Extreme
	Fire	1	3 = High
	Reactivity	1	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

## ABBREVIATIONS

IARC = International Agency for Research on Cancer  
ACGIH = American Conference of Governmental Industrial Hygienists  
NIOSH = National Institute of Occupational Safety and Health  
TLV = Threshold Limit Value  
PEL = Permissible Emission Level  
DOT = Department of Transportation  
NTP = National Toxicology Program  
N/AV = Not Available  
N/AP = Not Applicable  
N/E = Not Established  
N/D = Not Determined

# MSDS

PREPARED BY:

J-B Weld Company

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DATE REVIEWED:

February 6, 2009

DATE REVISED:

February 6, 2009

REVISION:

New Format

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.