

## 1. Product and Company Identification

<b>Material name</b>	<b>L-200</b>
<b>Version #</b>	01
<b>Issue date</b>	11-15-2012
<b>Revision date</b>	11-15-2012
<b>Supersedes date</b>	12-07-2011
<b>Chemical name</b>	Phenolic Resin
<b>Chemical description</b>	Resin Mixture
<b>CAS #</b>	Mixture
<b>Product code</b>	900-0013
<b>Product use</b>	Industrial Leak Sealant
<b>Manufacturer information</b>	
<b>Manufacturer/Supplier</b>	Team Industrial Services, Inc. 200 Hermann Drive, Alvin, Texas 77511
<b>Emergency Contact</b>	CHEMTREC - 24 HOURS USA: CHEMTREC: 800-424-9300 International: 703-527-3887 (Collect)

## 2. Hazards Identification

<b>Physical state</b>	Liquid.
<b>Appearance</b>	Amber liquid with phenolic odor.
<b>Emergency overview</b>	DANGER  Flammable liquid. May cause skin, eye and digestive tract burns. May cause severe respiratory tract irritation. Harmful if inhaled, absorbed through skin, or swallowed. Contains material which may cause lung, liver, kidney, heart, blood and central nervous system damage.
<b>OSHA regulatory status</b>	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Inhalation. Ingestion. Skin contact. Eye contact.
<b>Eyes</b>	May cause eye burns. May cause permanent damage.
<b>Skin</b>	May cause skin burns. Harmful if absorbed through skin. Components of the product may be absorbed into the body through the skin. Risk of sensitization or allergic reactions among sensitive individuals. The product contains organic solvents which may be absorbed into the body by skin contact and may cause permanent damage to the nervous system, including the brain.
<b>Inhalation</b>	May cause severe respiratory tract irritation. May cause burns in mucous membranes, throat, esophagus and stomach. Harmful if inhaled. When cured: Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the respiratory tract.
<b>Ingestion</b>	May cause digestive tract burns. Harmful if swallowed. Components of the product may be absorbed into the body by ingestion.
<b>Target organs</b>	Blood. Cardiac. Central nervous system. Digestive tract.. Eyes. Kidneys. Liver. Lungs. Mucous membranes. Respiratory system. Skin.
<b>Chronic effects</b>	May cause kidney, liver, lung and central nervous system damage. Danger of serious damage to health by prolonged exposure. Phenolic resin releases formaldehyde and formaldehyde has carcinogenic potential and is a known skin and respiratory sensitizer.
<b>Signs and symptoms</b>	Unconsciousness. Coughing. Shortness of breath. Discomfort in the chest. Irritation of nose and throat. Symptoms include itching, burning, redness and tearing. Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.
<b>Potential environmental effects</b>	The product contains a substance which may be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
Phenol, polymer with formaldehyde	9003-35-4	50 - 70
Ethanol	64-17-5	20 - 40
Phenol	108-95-2	2.5 - 10
m-Cresol p-	108-39-4	2.5 - 10
Cresol	106-44-5	2.5 - 10
Water	7732-18-5	1 - 2.5
Ethylphenol	25429-37-2	0.1 - 1
Hexamethylenetetramine	100-97-0	0.1 - 1
Xylenol	1300-71-6	0.1 - 1
Formaldehyde	50-00-0	0 - 0.1
o-Cresol	95-48-7	0 - 0.1

**Composition comments** All concentrations are in percent by weight.

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
<b>Inhalation</b>	If breathing stops, provide artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water and give large amounts of milk or water, if person is conscious. Only induce vomiting at the instruction of medical personnel. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.

**Notes to physician** Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.

**General advice** Chemical burns must be treated by a physician.

### 5. Fire Fighting Measures

**Flammable properties** Flammable liquid and vapor. Heated material: Vapors may travel to a source of ignition and flash back. If heated, volume and pressure increases strongly, resulting in explosion of container.

#### Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	No restrictions known.

#### Protection of firefighters

<b>Specific hazards arising from the chemical</b>	Solvent vapors may form explosive mixtures with air. During fire, gases hazardous to health may be formed.
<b>Protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

**Fire fighting equipment/instructions** Ventilate closed spaces before entering them. Containers should be cooled with water to prevent vapor pressure build up. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Evacuate area and fight fire from a safe distance. Stop leak if you can do so without risk. Move containers from fire area if you can do it without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

**Hazardous combustion products** Carbon oxides. Formaldehyde. Nitrogen oxides (NOx).

## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid inhalation of vapors and contact with skin and eyes. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Environmental manager must be informed of all major spillages.
<b>Methods for containment</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	Eliminate all ignition sources. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated surface thoroughly. Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in Section 13 of the MSDS.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Avoid inhalation of vapors and contact with skin and eyes. The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Use personal protective equipment as required. Use only with adequate ventilation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing.
<b>Storage</b>	Follow rules for flammable liquids. Keep away from heat, spark, open flames and other sources of ignition. Keep away from sources of ignition - No smoking. Store in a cool, dry, well-ventilated place. Store in a closed container away from incompatible materials.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Formaldehyde (CAS 50-00-0)	Ceiling	0.3 ppm	
m-Cresol (CAS 108-39-4)	TWA	20 mg/m3	Inhalable fraction and vapor.
p-Cresol (CAS 106-44-5)	TWA	20 mg/m3	Inhalable fraction and vapor.
Phenol (CAS 108-95-2)	TWA	5 ppm	

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

Components	Type	Value
Formaldehyde (CAS 50-00-0)	STEL	2 ppm
	TWA	0.75 ppm

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3 1000 ppm
m-Cresol (CAS 108-39-4)	PEL	22 mg/m3 5 ppm
p-Cresol (CAS 106-44-5)	PEL	22 mg/m3 5 ppm
Phenol (CAS 108-95-2)	PEL	19 mg/m3 5 ppm

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
Formaldehyde (CAS 50-00-0)	Ceiling	1000 ppm
		1.3 mg/m <sup>3</sup>
m-Cresol (CAS 108-39-4)	TWA	1 ppm
		0.9 mg/m <sup>3</sup>
p-Cresol (CAS 106-44-5)	TWA	0.75 ppm
		22 mg/m <sup>3</sup>
Phenol (CAS 108-95-2)	TWA	5 ppm
		50 mg/m <sup>3</sup>
		10 ppm
		19 mg/m <sup>3</sup>
		5 ppm

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Formaldehyde (CAS 50-00-0)	Ceiling	1 ppm
	TWA	0.3 ppm
m-Cresol (CAS 108-39-4)	TWA	10 mg/m <sup>3</sup>
p-Cresol (CAS 106-44-5)	TWA	10 mg/m <sup>3</sup>
Phenol (CAS 108-95-2)	TWA	5 ppm

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Formaldehyde (CAS 50-00-0)	Ceiling	1.5 ppm
	STEL	1 ppm
m-Cresol (CAS 108-39-4)	TWA	5 ppm
p-Cresol (CAS 106-44-5)	TWA	5 ppm
Phenol (CAS 108-95-2)	TWA	5 ppm

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1880 mg/m <sup>3</sup>
Formaldehyde (CAS 50-00-0)	Ceiling	1000 ppm
		3 mg/m <sup>3</sup>
		2 ppm
m-Cresol (CAS 108-39-4)	TWA	22 mg/m <sup>3</sup>
p-Cresol (CAS 106-44-5)	TWA	5 ppm
		22 mg/m <sup>3</sup>
Phenol (CAS 108-95-2)	TWA	5 ppm
		19 mg/m <sup>3</sup>
		5 ppm

**Mexico. Occupational Exposure Limit Values**

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup>
Formaldehyde (CAS 50-00-0)	Ceiling	1000 ppm
		3 mg/m <sup>3</sup>
		2 ppm
m-Cresol (CAS 108-39-4)	TWA	22 mg/m <sup>3</sup>
p-Cresol (CAS 106-44-5)	TWA	5 ppm
		22 mg/m <sup>3</sup>

## Mexico. Occupational Exposure Limit Values

Components	Type	Value
Phenol (CAS 108-95-2)	STEL	5 ppm
		38 mg/m <sup>3</sup>
	TWA	10 ppm
		19 mg/m <sup>3</sup>
		5 ppm

**Engineering controls** Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of exposure. An eye wash and safety shower must be available in the immediate work area.

### Personal protective equipment

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

**Skin protection** Wear suitable gloves. Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear appropriate clothing to prevent possibility of skin contact.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

**General hygiene considerations** 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.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Amber liquid with phenolic odor.
<b>Physical state</b>	Liquid.
<b>Form</b>	Viscous liquid.
<b>Color</b>	Amber.
<b>Odor</b>	Phenolic.
<b>Odor threshold</b>	0.003 - 5 ppm (m-Cresol)
<b>pH</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	Not applicable.
<b>Melting point/Freezing point</b>	Not applicable.
<b>Solubility (water)</b>	Slight.
<b>Specific gravity</b>	Not available.
<b>Flash point</b>	78 °F (25.6 °C) ASTM D3278 Setaflash E
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Other data</b>	
<b>Decomposition temperature</b>	> 1200 °F (> 648.9 °C) When cured
<b>Flammability</b>	Flammable liquid and vapor.
<b>Flash point class</b>	Flammable IC
<b>Miscible (water)</b>	Not applicable.

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Material is stable under normal conditions.

**Conditions to avoid** Flames and sparks. Avoid static discharge and uncontrolled exposure to high temperatures. Contact with incompatible materials.

<b>Incompatible materials</b>	Strong oxidizers, strong acids, and strong bases. Strong reducing agents.
<b>Hazardous decomposition products</b>	Carbon oxides. Formaldehyde. Nitrogen oxides (NOx).
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

Components	Species	Test Results
Ethanol (CAS 64-17-5)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	30000 mg/m <sup>3</sup>
<i>Oral</i>		
LD50	Rat	11.5 g/kg
Formaldehyde (CAS 50-00-0)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	0.48 mg/l, 4 Hours
m-Cresol (CAS 108-39-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	620 mg/kg
<i>Oral</i>		
LD50	Rat	242 mg/kg
p-Cresol (CAS 106-44-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	300 mg/kg
<i>Oral</i>		
LD50	Rat	207 mg/kg
Phenol (CAS 108-95-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	850 mg/kg
<i>Oral</i>		
LD50	Rat	530 mg/kg

**Sensitization** The product contains a sensitizing substance which may provoke an allergic reaction among sensitive individuals.

#### ACGIH Sensitizer

Formaldehyde (CAS 50-00-0) Sensitizer.

**Acute effects** May cause skin, eye and digestive tract burns. May cause severe respiratory tract irritation. Harmful if inhaled, absorbed through skin, or swallowed. Contains material which may cause lung, liver, kidney, heart, blood and central nervous system damage.

**Local effects** Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

#### US. ACGIH Threshold Limit Values

m-Cresol (CAS 108-39-4) Can be absorbed through the skin.  
p-Cresol (CAS 106-44-5) Can be absorbed through the skin.  
Phenol (CAS 108-95-2) Can be absorbed through the skin.

**Chronic effects** Danger of serious damage to health by prolonged exposure. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. When cured: Phenolic resin releases formaldehyde and formaldehyde has carcinogenic potential and is a known skin and respiratory sensitizer.

**Carcinogenicity** Risk of cancer cannot be excluded with prolonged exposure.

**ACGIH Carcinogens**

Ethanol (CAS 64-17-5)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Formaldehyde (CAS 50-00-0)	A2 Suspected human carcinogen.
m-Cresol (CAS 108-39-4)	A4 Not classifiable as a human carcinogen.
p-Cresol (CAS 106-44-5)	A4 Not classifiable as a human carcinogen.
Phenol (CAS 108-95-2)	A4 Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Formaldehyde (CAS 50-00-0)	1 Carcinogenic to humans.
Phenol (CAS 108-95-2)	3 Not classifiable as to carcinogenicity to humans.

**US NTP Report on Carcinogens: Known carcinogen**

Formaldehyde (CAS 50-00-0)	Known To Be Human Carcinogen.
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**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Formaldehyde (CAS 50-00-0)	Potential cancer hazard.
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<b>Epidemiology</b>	None known.
<b>Mutagenicity</b>	Contains a substance which may have a mutagenic effect. Suspected of causing genetic defects.
<b>Neurological effects</b>	May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.
<b>Reproductive effects</b>	No data available.
<b>Teratogenicity</b>	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
<b>Symptoms and target organs</b>	Slightly corrosive. Prolonged contact may causes serious eye and tissue damage. Prolonged or repeated inhalation/ingestion may cause central nervous system, blood, lung, liver or kidney damage.
<b>Further information</b>	Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.

**12. Ecological Information**

**Ecotoxicological data**

Components		Species	Test Results
Ethanol (CAS 64-17-5)			
<b>Aquatic</b>			
Algae	EC50	Freshwater algae	275 mg/l, 72 Hours
Fish		Marine water algae	1970 mg/l
Invertebrate	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	> 100 mg/l, 96 hours
		Freshwater fish	11200 mg/l, 96 Hours
Formaldehyde (CAS 50-00-0)	EC50	Freshwater invertebrate	5012 mg/l, 48 Hours
<b>Aquatic</b>		Marine water invertebrate	857 mg/l, 48 Hours
Crustacea			
Fish			
m-Cresol (CAS 108-39-4)	EC50	Water flea ( <i>Daphnia pulex</i> )	4.3 - 7.8 mg/l, 48 hours
<b>Aquatic</b>	LC50	American eel ( <i>Anguilla rostrata</i> )	0 - 197.79 mg/l, 96 hours
Crustacea			
Fish			
p-Cresol (CAS 106-44-5)	EC50	Scud ( <i>Gammarus fasciatus</i> )	7 mg/l, 48 hours
<b>Aquatic</b>	LC50	Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> )	8.9 mg/l, 96 hours
Crustacea			
Fish			
	EC50	Water flea ( <i>Daphnia magna</i> )	7.7 mg/l, 48 hours
	LC50	Fish ( <i>Lepidocephalichthyes guntea</i> )	6.15 - 7.96 mg/l, 96 hours

**Ecotoxicity** The product contains a substance which may be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Partition coefficient</b>	No data available.
Ethanol	-0.31
Formaldehyde	0.35
Phenol	1.46
p-Cresol	1.94
m-Cresol	1.96
<b>Mobility in environmental media</b>	The product is slightly soluble in water. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 °F D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]
<b>Disposal instructions</b>	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Dispose of this material and its container to hazardous or special waste collection point.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

#### DOT

##### Basic shipping requirements:

<b>UN number</b>	UN1866
<b>Proper shipping name</b>	Resin solution
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Additional information:</b>	
<b>Special provisions</b>	B1, B52, IB3, T2, TP1
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	173
<b>Packaging bulk</b>	242

#### IATA

<b>UN number</b>	UN1866
<b>UN proper shipping name</b>	Resin solution
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	III
<b>ERG code</b>	3L

#### IMDG

<b>UN number</b>	UN1866
<b>UN proper shipping name</b>	RESIN SOLUTION
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	III
<b>EmS</b>	F-E, S-E

#### TDG

<b>Proper shipping name</b>	RESIN SOLUTION
<b>Hazard class UN</b>	3
<b>number Packing</b>	UN1866
<b>group Marine</b>	III
<b>pollutant</b>	D

### 15. Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

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

- Formaldehyde (CAS 50-00-0)
- m-Cresol (CAS 108-39-4)
- p-Cresol (CAS 106-44-5)
- Phenol (CAS 108-95-2)

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity**

- Formaldehyde (CAS 50-00-0) 100 LBS
- Phenol (CAS 108-95-2) 1000 LBS

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity**

- Formaldehyde (CAS 50-00-0) 500 LBS

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold planning quantity, lower value**

- Phenol (CAS 108-95-2) 500 LBS

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold planning quantity, upper value**

- Phenol (CAS 108-95-2) 10000 LBS

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

- Formaldehyde (CAS 50-00-0) 0.1 %
- m-Cresol (CAS 108-39-4) 1.0 %
- p-Cresol (CAS 106-44-5) 1.0 %
- Phenol (CAS 108-95-2) 1.0 %

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

- Formaldehyde (CAS 50-00-0) Listed.
- m-Cresol (CAS 108-39-4) Listed.
- p-Cresol (CAS 106-44-5) Listed.
- Phenol (CAS 108-95-2) Listed.

**CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)**

- Phenol: 1000
- m-Cresol: 100
- p-Cresol: 100
- Formaldehyde: 100

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

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)**  
 No

**Section 311/312 (40 CFR 370)**  
 Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)**  
 Not controlled

**Canadian regulations**  
 This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS status**  
 Controlled

**WHMIS classification**  
 B2 - Flammable Liquids  
 D1A - Immediate/Serious-VERY TOXIC  
 D2A - Other Toxic Effects-VERY TOXIC  
 D2B - Other Toxic Effects-TOXIC  
 E - Corrosive

**WHMIS labeling**



## Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
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)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

## State regulations

### US - California Hazardous Substances (Director's): Listed substance

Ethanol (CAS 64-17-5)	Listed.
Formaldehyde (CAS 50-00-0)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
p-Cresol (CAS 106-44-5)	Listed.
Phenol (CAS 108-95-2)	Listed.

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Formaldehyde (CAS 50-00-0)	Listed.
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### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Formaldehyde (CAS 50-00-0)	Listed: January 1, 1988 Carcinogenic.
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### US - New Jersey RTK - Substances: Listed substance

Ethanol (CAS 64-17-5)	Listed.
Formaldehyde (CAS 50-00-0)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
p-Cresol (CAS 106-44-5)	Listed.
Phenol (CAS 108-95-2)	Listed.

### US - Pennsylvania RTK - Hazardous Substances: Special hazard

Formaldehyde (CAS 50-00-0)	Special hazard.
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### US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5)	Listed.
Formaldehyde (CAS 50-00-0)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
p-Cresol (CAS 106-44-5)	Listed.
Phenol (CAS 108-95-2)	Listed.

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

Formaldehyde (CAS 50-00-0)	500 LBS
m-Cresol (CAS 108-39-4)	500 LBS
p-Cresol (CAS 106-44-5)	500 LBS
Phenol (CAS 108-95-2)	500 LBS

### US. Pennsylvania RTK - Hazardous Substances

Ethanol (CAS 64-17-5)	Listed.
Formaldehyde (CAS 50-00-0)	Listed.
m-Cresol (CAS 108-39-4)	Listed.
p-Cresol (CAS 106-44-5)	Listed.
Phenol (CAS 108-95-2)	Listed.

## 16. Other Information

### Further information

HMIS® is a registered trade and service mark of the NPCA.  
J - Goggles, Gloves, Apron, Dust, Vapor Respirator

**HMIS® ratings**

Health: 3\*  
Flammability: 3  
Physical hazard: 0  
Personal protection: J

**NFPA ratings**

Health: 3  
Flammability: 3  
Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.