

TEAM[®] Industrial Services

SAFETY DATA SHEET

1. Identification

Product identifier L-100 NUCLEAR PRP SEALANT

Other means of identification

Product code 905-0009

Recommended use Industrial Leak Sealant.


Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name Team Industrial Services, Inc.
Address 200 Hermann Drive, Alvin, Texas 77511
Telephone Not available.
E-mail Not available.

Emergency phone number CHEMTREC - 24 HOURS: 800-424-9300 (USA)
International: +1 703-527-3887 (Collect)

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 1A
	Specific target organ toxicity, repeated exposure	Category 2 (kidney, liver)
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement	Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer. May cause damage to organs (kidney, liver) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.	

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response

In case of fire: Use appropriate media for extinction. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

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

Hazard(s) not otherwise classified (HNOC)

None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Phenol-formaldehyde polymer	9003-35-4	25-50
Ethanol	64-17-5	10-25
2,6-Xylenol	576-26-1	1-5
Formaldehyde	50-00-0	1-5
O-Ethylphenol	90-00-6	1-5
Phenol	108-95-2	1-5
m-Cresol	108-39-4	1-5
p-Cresol	106-44-5	1-5
Hexamethylenetetramine	100-97-0	<1
Methanol	67-56-1	<1

Composition comments

All concentrations are in percent by weight.

4. First-aid measures

Inhalation

If breathing stops, provide artificial respiration. Get medical attention immediately.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

Eye contact

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.

Ingestion

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.

Most important symptoms/effects, acute and delayed

Itching, redness, swelling, burning or blistering of skin. May cause permanent damage if eye is not immediately irrigated.

Indication of immediate medical attention and special treatment needed

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

General information

Chemical burns must be treated by a physician.

5. Fire-fighting measures

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	No restrictions known.
Specific hazards arising from the chemical	Solvent vapors may form explosive mixtures with air. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	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.
General fire hazards	The product is flammable.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid any exposure. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. 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 SDS.
Methods and materials for containment and cleaning up	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 SDS.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Environmental manager must be informed of all major spillages.

7. Handling and storage

Precautions for safe handling	Avoid any exposure. 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. Do not handle until all safety precautions have been read and understood. Should be handled in closed systems, if possible. Use only with adequate ventilation. Use personal protective equipment as required.
Conditions for safe storage, including any incompatibilities	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. 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/m ³
		1000 ppm
m-Cresol (CAS 108-39-4)	PEL	22 mg/m ³
		5 ppm
p-Cresol (CAS 106-44-5)	PEL	22 mg/m ³
		5 ppm
Phenol (CAS 108-95-2)	PEL	19 mg/m ³
		5 ppm

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. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3 1000 ppm
Formaldehyde (CAS 50-00-0)	Ceiling	0.1 ppm
	TWA	0.016 ppm
m-Cresol (CAS 108-39-4)	TWA	10 mg/m3 2.3 ppm
p-Cresol (CAS 106-44-5)	TWA	10 mg/m3 2.3 ppm
Phenol (CAS 108-95-2)	Ceiling	60 mg/m3 15.6 ppm
	TWA	19 mg/m3 5 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Phenol (CAS 108-95-2)	250 mg/g	Phenol with hydrolysis	Creatinine in urine	*

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

Exposure guidelines

US - California OELs: Skin designation

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.

US - Minnesota Haz Subs: Skin designation applies

m-Cresol (CAS 108-39-4)	Skin designation applies.
p-Cresol (CAS 106-44-5)	Skin designation applies.
Phenol (CAS 108-95-2)	Skin designation applies.

US - Tennessee OELs: Skin designation

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.

US ACGIH Threshold Limit Values: Skin designation

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.

US. NIOSH: Pocket Guide to Chemical Hazards

Phenol (CAS 108-95-2)	Can be absorbed through the skin.
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US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

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.

Appropriate engineering controls

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of exposure. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used. Avoid recirculation of exhaust air containing these substances or this material. An eye wash and safety shower must be available in the immediate work area.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection	
Hand protection	Wear suitable gloves. Butyl rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.
Other	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.
Thermal hazards	When material is heated, wear gloves to protect against thermal burns.
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 and chemical properties

Appearance	Black pliable semi-solid with phenolic odor.
Physical state	Liquid.
Form	Pliable semi-solid.
Color	Black.
Odor	Phenolic.
Odor threshold	0.003 - 5 ppm (m-Cresol)
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	84.0 °F (28.9 °C) Setaflash
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Slightly.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	Not available.
Decomposition temperature	> 1200 °F (> 648.9 °C) When cured
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Flames and sparks. Avoid static discharge and uncontrolled exposure to high temperatures. Contact with incompatible materials.
Incompatible materials	Strong oxidizers, strong acids, and strong bases. Strong reducing agents.

Hazardous decomposition products Carbon oxides. Formaldehyde. Nitrogen oxides (NOx).

11. Toxicological information

Information on likely routes of exposure

Inhalation Harmful if inhaled. In high concentrations, vapors may be irritating to the respiratory system.
Skin contact Causes severe skin burns. Harmful in contact with skin.
Eye contact Causes serious eye damage.
Ingestion Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics 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.

Information on toxicological effects

Acute toxicity Harmful by inhalation, in contact with skin and if swallowed.

Components	Species	Test Results
Ethanol (CAS 64-17-5)		
Acute		
<i>Inhalation</i>		
LC50	Rat	20000 ppm, 10 Hours
<i>Oral</i>		
LD50	Rat	6.2 g/kg
Formaldehyde (CAS 50-00-0)		
Acute		
<i>Inhalation</i>		
LC50	Rat	0.82 mg/l, 0.5 Hours
<i>Oral</i>		
LD50	Rat	100 mg/kg
m-Cresol (CAS 108-39-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	620 mg/kg
<i>Oral</i>		
LD50	Rat	242 mg/kg
Phenol (CAS 108-95-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	630 mg/kg
<i>Oral</i>		
LD50	Rat	340 mg/kg

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

ACGIH sensitization

Formaldehyde (CAS 50-00-0) Sensitizer.

Respiratory sensitization Not available.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity May cause cancer.

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.

NTP Report on Carcinogens

Formaldehyde (CAS 50-00-0)

Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Formaldehyde (CAS 50-00-0)

Cancer

Reproductive toxicity	Contains a substance which may have a reproductive effect.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	May cause damage to organs (kidney, liver) through prolonged or repeated exposure.
Aspiration hazard	Not available.
Chronic effects	Exposure to formaldehyde may cause respiratory sensitization in some individuals or aggravate pre-existing asthmatic conditions. 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.
Further information	Be aware that symptoms of lung edema (shortness of breath) may develop up to 24 hours after exposure.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
2,6-Xylenol (CAS 576-26-1)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 27 mg/l, 96 hours
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia obtusa</i>)	10100 - 11200 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	13480 mg/l, 96 hours
Formaldehyde (CAS 50-00-0)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia pulex</i>)	4.3 - 7.8 mg/l, 48 hours
Fish	LC50	Striped bass (<i>Morone saxatilis</i>)	10.302 - 16.743 mg/l, 96 hours
Hexamethylenetetramine (CAS 100-97-0)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	29868 - 43390 mg/l, 48 hours
Fish	LC50	Bleak (<i>Alburnus alburnus</i>)	> 10000 mg/l, 96 hours
m-Cresol (CAS 108-39-4)			
Aquatic			
Crustacea	EC50	Scud (<i>Gammarus fasciatus</i>)	7 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>)	8.9 mg/l, 96 hours
p-Cresol (CAS 106-44-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	7.7 mg/l, 48 hours
Fish	LC50	Fish (<i>Lepidocephalichthyes guntea</i>)	6.15 - 7.96 mg/l, 96 hours
Phenol (CAS 108-95-2)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia obtusa</i>)	4.7 - 6.4 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>)	7.5 - 14 mg/l, 96 hours

Persistence and degradability No data available.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

2,6-Xylenol (CAS 576-26-1)	2.36
Ethanol (CAS 64-17-5)	-0.31
Formaldehyde (CAS 50-00-0)	0.35
O-Ethylphenol (CAS 90-00-6)	2.47
Phenol (CAS 108-95-2)	1.46
m-Cresol (CAS 108-39-4)	1.96
p-Cresol (CAS 106-44-5)	1.94

Mobility in soil Expected to be mobile in soil.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions 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.

Hazardous waste code D001: Waste Flammable material with a flash point <140 °F
D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]
D026: Waste Cresol

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information**DOT**

UN number	UN1866
UN proper shipping name	Resin solution (Ethanol RQ = 427 LBS, p-Cresol RQ = 2137 LBS)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Special precautions for user	Not available.
Special provisions	B1, B52, IB3, T2, TP1
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

IATA

UN number	UN1866
UN proper shipping name	Resin solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Not available.

IMDG

UN number	UN1866
UN proper shipping name	RESIN SOLUTION
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
Special precautions for user	Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Formaldehyde (CAS 50-00-0)	Cancer Skin sensitization Respiratory sensitization Eye irritation Skin irritation respiratory tract irritation Acute toxicity Flammability
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CERCLA Hazardous Substance List (40 CFR 302.4)

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

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

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Formaldehyde	50-00-0	100	500 lbs		
Phenol	108-95-2	1000		500 lbs	10000 lbs

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Formaldehyde	50-00-0	1-5
Phenol	108-95-2	1-5
m-Cresol	108-39-4	1-5
p-Cresol	106-44-5	1-5

Other federal regulations

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)

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

Formaldehyde (CAS 50-00-0)

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5)
Formaldehyde (CAS 50-00-0)

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

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

Ethanol (CAS 64-17-5)
Formaldehyde (CAS 50-00-0)
Hexamethylenetetramine (CAS 100-97-0)
m-Cresol (CAS 108-39-4)
p-Cresol (CAS 106-44-5)
Phenol (CAS 108-95-2)

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

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

US. Rhode Island RTK

2,6-Xylenol (CAS 576-26-1)
Formaldehyde (CAS 50-00-0)
m-Cresol (CAS 108-39-4)
p-Cresol (CAS 106-44-5)
Phenol (CAS 108-95-2)

US. California Proposition 65

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

Ethanol (CAS 64-17-5)
Formaldehyde (CAS 50-00-0)
Methanol (CAS 67-56-1)

International Inventories

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

*A "Yes" indicates this product complies 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

Issue date	17-February-2015
Revision date	-
Version #	01
Further information	HMIS® is a registered trade and service mark of the NPCA. X - Specialized Handling
HMIS® ratings	Health: 3* Flammability: 3 Physical hazard: 0 Personal protection: X

NFPA ratings**References**

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

Disclaimer

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