



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name STEEL-IT 4907B Epoxy Finish, Part "B"
Version # 01
Issue date 10-29-2012
Revision date -
Supersedes date -
CAS # Mixture
Product code 4907B
MSDS Number SDS-4907B-NA
Product use Paint / Industrial coating.
Manufacturer/Supplier Stainless Steel Coatings, Inc
835 Sterling Road
South Lancaster, MA, 01561
sds@steel-it.com
(978) 365-9828
Emergency CHEMTREC, 1-800-424-9300

2. Hazards Identification

Physical state Liquid.
Appearance Gray liquid.
Emergency overview WARNING

Flammable liquid and vapor. Harmful if inhaled or absorbed through skin. Causes skin, eye and respiratory tract irritation. May cause allergic skin reaction. Harmful if swallowed, can enter lungs and cause damage.

OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Eyes Causes eye irritation.

Skin Harmful if absorbed through skin. Causes skin irritation.

Inhalation Harmful if inhaled. Causes respiratory tract irritation.

Ingestion Harmful if swallowed. Can enter lungs and cause damage.

Target organs Eyes. Respiratory system. Skin. Lung.

Chronic effects Possible cancer hazard - may cause cancer based on animal data. May cause allergic skin reaction. May cause lung, liver and kidney damage.

Signs and symptoms Vapors may cause drowsiness and dizziness. Skin and eye irritation. Sensitization.

Potential environmental effects 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.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]	67924-34-9	40 - 60
2-Butoxyethanol	111-76-2	10 - 15
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	98-56-6	10 - 15
Xylene	1330-20-7	10 - 15
Chromium	7440-47-3	3 - 5
m-Xylene	108-38-3	3 - 5

Components	CAS #	Percent
Ethylbenzene	100-41-4	1 - 5
Distillates (petroleum), hydrotreated light	64742-47-8	1 - 3
Nickel	7440-02-0	1 - 3
O-xylene	95-47-6	1 - 3
P-xylene	106-42-3	1 - 3

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

- Eye contact** Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation or symptoms persist.
- Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. If skin rash or an allergic skin reaction develops, get medical attention.
- Inhalation** Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort occurs.
- Ingestion** If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort occurs.

Notes to physician Treat symptomatically.

General advice Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

5. Fire Fighting Measures

Flammable properties The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures.

Extinguishing media

- Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.
- Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

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

Fire fighting equipment/instructions Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Specific methods In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid inhalation of vapors and spray mist and contact with skin and eyes.

Environmental precautions Do not allow to enter drains, sewers or watercourses.

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up Remove sources of ignition. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Other information Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Local exhaust is recommended. Avoid inhalation of vapors and spray mist and contact with skin and eyes. The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not smoke, use open fire or other sources of ignition. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use non-sparking hand tools and explosion-proof electrical equipment. Observe good industrial hygiene practices.

Storage

Store in closed original container in a dry place. Keep away from heat, sparks and open flame. Protect against direct sunlight. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m ³	
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
m-Xylene (CAS 108-38-3)	STEL	150 ppm	
	TWA	100 ppm	
Nickel (CAS 7440-02-0)	TWA	1.5 mg/m ³	Inhalable fraction.
O-xylene (CAS 95-47-6)	STEL	150 ppm	
	TWA	100 ppm	
P-xylene (CAS 106-42-3)	STEL	150 ppm	
	TWA	100 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m ³
		50 ppm
Chromium (CAS 7440-47-3)	PEL	1 mg/m ³
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m ³
		100 ppm
m-Xylene (CAS 108-38-3)	PEL	435 mg/m ³
		100 ppm
Nickel (CAS 7440-02-0)	PEL	1 mg/m ³
O-xylene (CAS 95-47-6)	PEL	435 mg/m ³
		100 ppm
P-xylene (CAS 106-42-3)	PEL	435 mg/m ³
		100 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m ³
		100 ppm

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

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	97 mg/m ³	
		20 ppm	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m ³	
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	200 mg/m ³	Vapor.
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m ³	
		125 ppm	

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

Components	Type	Value	Form
	TWA	434 mg/m3	
		100 ppm	
m-Xylene (CAS 108-38-3)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	
Nickel (CAS 7440-02-0)	TWA	1.5 mg/m3	
O-xylene (CAS 95-47-6)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	
P-xylene (CAS 106-42-3)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	
Xylene (CAS 1330-20-7)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	

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

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
m-Xylene (CAS 108-38-3)	STEL	150 ppm	
	TWA	100 ppm	
Nickel (CAS 7440-02-0)	TWA	0.05 mg/m3	
O-xylene (CAS 95-47-6)	STEL	150 ppm	
	TWA	100 ppm	
P-xylene (CAS 106-42-3)	STEL	150 ppm	
	TWA	100 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Ethylbenzene (CAS 100-41-4)	STEL	125 ppm	
	TWA	100 ppm	
m-Xylene (CAS 108-38-3)	STEL	150 ppm	
	TWA	100 ppm	
Nickel (CAS 7440-02-0)	TWA	1 mg/m3	Inhalable
O-xylene (CAS 95-47-6)	STEL	150 ppm	
	TWA	100 ppm	
P-xylene (CAS 106-42-3)	STEL	150 ppm	
	TWA	100 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	97 mg/m3
		20 ppm
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
m-Xylene (CAS 108-38-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Nickel (CAS 7440-02-0)	TWA	1 mg/m3
O-xylene (CAS 95-47-6)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
P-xylene (CAS 106-42-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

Mexico. Occupational Exposure Limit Values

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	STEL	360 mg/m3
		75 ppm
	TWA	120 mg/m3
		26 ppm
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
	TWA	435 mg/m3
		100 ppm
m-Xylene (CAS 108-38-3)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm
Nickel (CAS 7440-02-0)	TWA	1 mg/m3
O-xylene (CAS 95-47-6)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm
P-xylene (CAS 106-42-3)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm

Engineering controls	Use explosion-proof equipment. Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Explosion-proof general and local exhaust ventilation. Provide easy access to water supply or an emergency shower.
Personal protective equipment	
Eye / face protection	Chemical goggles are recommended.
Skin protection	Wear suitable protective clothing. Chemical/oil resistant clothing is recommended.
Respiratory protection	Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
General hygiene considerations	Do not eat, drink or smoke when using the product. 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

Appearance	Gray liquid.
Physical state	Liquid.
Form	Liquid.
Color	Gray.
Odor	Characteristic of solvents.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	> 1 (air=1)
Boiling point	250 - 407 °F (121.1 - 208.3 °C)
Melting point/Freezing point	Not available.
Solubility (water)	< 2 g/100 g
Specific gravity	1.18 (77°F)
Flash point	82 °F (27.8 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	0.9 %
Auto-ignition temperature	Not available.
VOC	577.7 g/l
Evaporation rate	Slower than ether.
Molecular weight	Not available.
Other data	
Decomposition temperature	Not available.
Explosive limit	Not available.
Explosive properties	Not available.
Flammability (solid, gas)	Not applicable.
Oxidizing properties	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, sparks, flames.
Incompatible materials	Strong oxidizing agents. Strong reducing agents. Strong acids.
Hazardous decomposition products	Carbon oxides. Aldehydes. Nitrogen compounds.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
2-Butoxyethanol (CAS 111-76-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	400 mg/kg
<i>Inhalation</i>		
LC50	Rat	450 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	560 mg/kg
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.28 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Ethylbenzene (CAS 100-41-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	18156 mg/kg
<i>Inhalation</i>		
LC50	Rat	55000 mg/m ³
<i>Oral</i>		
LD50	Rat	3500 mg/kg
m-Xylene (CAS 108-38-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	12100 mg/kg
<i>Oral</i>		
LD50	Rat	4300 mg/kg
O-xylene (CAS 95-47-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 43 g/kg
<i>Inhalation</i>		
LC50	Rat	6350 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	4300 mg/kg
P-xylene (CAS 106-42-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 43 g/kg
<i>Oral</i>		
LD50	Rat	3523 - 8600 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
<i>Oral</i>		
LD50	Rat	4300 mg/kg

Sensitization	May cause an allergic skin reaction.
Acute effects	Harmful if inhaled or absorbed through skin.
Local effects	Causes skin, eye and respiratory tract irritation. Harmful if swallowed. Can enter lungs and cause damage.
Chronic effects	May cause damage to the liver and kidneys. May cause lung damage.
Carcinogenicity	Possible cancer hazard - may cause cancer based on animal data.

ACGIH Carcinogens

2-Butoxyethanol (CAS 111-76-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Chromium (CAS 7440-47-3)	A4 Not classifiable as a human carcinogen.
Ethylbenzene (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.
m-Xylene (CAS 108-38-3)	A4 Not classifiable as a human carcinogen.
Nickel (CAS 7440-02-0)	A5 Not suspected as a human carcinogen.
O-xylene (CAS 95-47-6)	A4 Not classifiable as a human carcinogen.
P-xylene (CAS 106-42-3)	A4 Not classifiable as a human carcinogen.
Xylene (CAS 1330-20-7)	A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

2-Butoxyethanol (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.
Chromium (CAS 7440-47-3)	3 Not classifiable as to carcinogenicity to humans.
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
m-Xylene (CAS 108-38-3)	3 Not classifiable as to carcinogenicity to humans.
Nickel (CAS 7440-02-0)	2B Possibly carcinogenic to humans.
O-xylene (CAS 95-47-6)	3 Not classifiable as to carcinogenicity to humans.
P-xylene (CAS 106-42-3)	3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

US NTP Report on Carcinogens: Anticipated carcinogen

Nickel (CAS 7440-02-0)	Reasonably Anticipated to be a Human Carcinogen.
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US NTP Report on Carcinogens: Known carcinogen

Nickel (CAS 7440-02-0)	Known To Be Human Carcinogen.
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Mutagenicity	No data available.
Reproductive effects	No data available.
Symptoms and target organs	Vapors may cause drowsiness and dizziness. Skin and eye irritation. Sensitization.
Further information	Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

12. Ecological Information

Ecotoxicological data

Components		Species	Test Results	
Ethylbenzene (CAS 100-41-4)	Aquatic			
	Crustacea	EC50	Daphnia	2.1 mg/l, 48 hours
	Fish	LC50	Bluegill (Lepomis macrochirus)	32 - 88 mg/l, 96 hours
Fathead minnow (Pimephales promelas)			12.1 mg/l, 96 hours	
m-Xylene (CAS 108-38-3)	Aquatic			
	Crustacea	EC50	Water flea (Daphnia magna)	2.81 - 5 mg/l, 48 hours
	Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.4 mg/l, 96 hours
O-xylene (CAS 95-47-6)	Aquatic			
	Crustacea	EC50	Water flea (Daphnia magna)	0.78 - 2.51 mg/l, 48 hours
	Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	5.59 - 11.6 mg/l, 96 hours

Components	Species		Test Results
P-xylene (CAS 106-42-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3.55 - 6.31 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.6 mg/l, 96 hours
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8 mg/l, 96 Hours

Aquatic toxicity 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.

Persistence and degradability No data available.

Bioaccumulation / Accumulation

Partition coefficient

2-Butoxyethanol	0.83
O-xylene	3.12
Ethylbenzene	3.15
P-xylene	3.15
Xylene	3.2
m-Xylene	3.2

Mobility in environmental media The product contains organic solvents which will evaporate easily from all surfaces.

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 °F

Disposal instructions Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

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

Contaminated packaging 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.

14. Transport Information

DOT

Basic shipping requirements:

UN number	UN1263
Proper shipping name	Paint
Hazard class	3
Packing group	III
Environmental hazards	
Marine pollutant	No
Additional information:	
Special provisions	B1, B52, IB3, T2, TP1, TP29
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

IATA

UN number	UN1263
UN proper shipping name	Paint
Transport hazard class(es)	3
Packing group	III
Environmental hazards	No
Labels required	3

ERG code 3L

Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number UN1263

UN proper shipping name Paint

Transport hazard class(es) 3

Packing group III

Environmental hazards

Marine pollutant No

Labels required 3

EmS F-E, S-E

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

TDG

Proper shipping name PAINT

Hazard class 3

UN number UN1263

Packing group III

Marine pollutant No

Special provisions 59, 83

Labels required 3

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

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

4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene (CAS 98-56-6) 1.0 % One-Time Export Notification only.

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

Chromium (CAS 7440-47-3)

Ethylbenzene (CAS 100-41-4)

m-Xylene (CAS 108-38-3)

Nickel (CAS 7440-02-0)

O-xylene (CAS 95-47-6)

P-xylene (CAS 106-42-3)

Xylene (CAS 1330-20-7)

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

Chromium (CAS 7440-47-3) 1.0 %

Ethylbenzene (CAS 100-41-4) 0.1 %

m-Xylene (CAS 108-38-3) 1.0 %

Nickel (CAS 7440-02-0) 0.1 %

O-xylene (CAS 95-47-6) 1.0 %

P-xylene (CAS 106-42-3) 1.0 %

Xylene (CAS 1330-20-7) 1.0 %

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

Chromium (CAS 7440-47-3) Listed.

Ethylbenzene (CAS 100-41-4) Listed.

m-Xylene (CAS 108-38-3) Listed.

Nickel (CAS 7440-02-0) Listed.

O-xylene (CAS 95-47-6) Listed.

P-xylene (CAS 106-42-3) Listed.

Xylene (CAS 1330-20-7) Listed.

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

Xylene: 100
 Chromium: 5000
 m-Xylene: 1000
 Ethylbenzene: 1000
 Nickel: 100
 O-xylene: 1000
 P-xylene: 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 the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
WHMIS status	Controlled
WHMIS classification	B2 - Flammable Liquids D2A - Other Toxic Effects-VERY TOXIC D2B - Other Toxic Effects-TOXIC

WHMIS labeling**Inventory status**

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)	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 Substances Control Act (TSCA) Inventory	Yes

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

State regulations WARNING: This product contains chemicals known to the State of California to cause cancer.

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

2-Butoxyethanol (CAS 111-76-2)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
m-Xylene (CAS 108-38-3)	Listed.
Nickel (CAS 7440-02-0)	Listed.
O-xylene (CAS 95-47-6)	Listed.
P-xylene (CAS 106-42-3)	Listed.

Xylene (CAS 1330-20-7) Listed.

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

Ethylbenzene (CAS 100-41-4) Listed.

Nickel (CAS 7440-02-0) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004 Carcinogenic.

Nickel (CAS 7440-02-0) Listed: October 1, 1989 Carcinogenic.

US - New Jersey RTK - Substances: Listed substance

2-Butoxyethanol (CAS 111-76-2) Listed.

4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene (CAS 98-56-6) Listed.

Chromium (CAS 7440-47-3) Listed.

Ethylbenzene (CAS 100-41-4) Listed.

m-Xylene (CAS 108-38-3) Listed.

Nickel (CAS 7440-02-0) Listed.

O-xylene (CAS 95-47-6) Listed.

P-xylene (CAS 106-42-3) Listed.

Xylene (CAS 1330-20-7) Listed.

US - Pennsylvania RTK - Hazardous Substances: All compounds of this substance are considered environmental hazards

Chromium (CAS 7440-47-3) LISTED

Nickel (CAS 7440-02-0) LISTED

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Chromium (CAS 7440-47-3) Special hazard.

Nickel (CAS 7440-02-0) Special hazard.

US. Massachusetts RTK - Substance List

2-Butoxyethanol (CAS 111-76-2) Listed.

Chromium (CAS 7440-47-3) Listed.

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) Listed.

Ethylbenzene (CAS 100-41-4) Listed.

m-Xylene (CAS 108-38-3) Listed.

Nickel (CAS 7440-02-0) Listed.

O-xylene (CAS 95-47-6) Listed.

P-xylene (CAS 106-42-3) Listed.

Xylene (CAS 1330-20-7) Listed.

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

Chromium (CAS 7440-47-3) 500 LBS

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) 10000 LBS

Ethylbenzene (CAS 100-41-4) 500 LBS

m-Xylene (CAS 108-38-3) 500 LBS

Nickel (CAS 7440-02-0) 500 LBS

O-xylene (CAS 95-47-6) 500 LBS

P-xylene (CAS 106-42-3) 500 LBS

Xylene (CAS 1330-20-7) 500 LBS

US. Pennsylvania RTK - Hazardous Substances

2-Butoxyethanol (CAS 111-76-2) Listed.

Chromium (CAS 7440-47-3) Listed.

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) Listed.

Ethylbenzene (CAS 100-41-4) Listed.

m-Xylene (CAS 108-38-3) Listed.

Nickel (CAS 7440-02-0) Listed.

O-xylene (CAS 95-47-6) Listed.

P-xylene (CAS 106-42-3) Listed.

Xylene (CAS 1330-20-7) Listed.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2*
Flammability: 3
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 3
Instability: 0

Disclaimer

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