



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** STEEL-IT 4210A Epoxy Primer, Part "A"  
**Version #** 01  
**Issue date** 10-29-2012  
**Revision date** -  
**Supersedes date** -  
**CAS #** Mixture  
**Product code** 4210A  
**MSDS Number** SDS-4210A-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. Harmful if swallowed, can enter lungs and cause damage. May cause allergic skin reaction.

**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** Causes skin irritation. Harmful if absorbed through skin. May cause allergic skin reaction.

**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 damage to the liver and kidneys.

**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
Xylene	1330-20-7	15 - 20
Titanium dioxide	13463-67-7	10 - 15
1-Methoxy-2-propanol	107-98-2	1 - 5
Barium Phosphate	10048-98-3	1 - 5
Ethylbenzene	100-41-4	1 - 5

Components	CAS #	Percent
Chromium	7440-47-3	1 - 3
Dipropylene glycol monomethyl ether	34590-94-8	1 - 3
m-Xylene	108-38-3	1 - 3
Silicon dioxide	7631-86-9	1 - 2
Nickel	7440-02-0	<1

**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.
- 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. Move the cylinder to a safe and open area if the leak is irreparable. 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
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	150 ppm	
	TWA	100 ppm	
Barium Phosphate (CAS 10048-98-3)	TWA	0.5 mg/m3	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	150 ppm	
	TWA	100 ppm	
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/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
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	Form
Barium Phosphate (CAS 10048-98-3)	PEL	0.5 mg/m3	
Chromium (CAS 7440-47-3)	PEL	1 mg/m3	
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	PEL	600 mg/m3	
		100 ppm	
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
m-Xylene (CAS 108-38-3)	PEL	435 mg/m3	
		100 ppm	
Nickel (CAS 7440-02-0)	PEL	1 mg/m3	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide (CAS 7631-86-9)	TWA	0.8 mg/m3
		20 mppcf

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

<b>Components</b>	<b>Type</b>	<b>Value</b>
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	553 mg/m3
	TWA	150 ppm 369 mg/m3
Barium Phosphate (CAS 10048-98-3)	TWA	100 ppm 0.5 mg/m3
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	909 mg/m3
	TWA	150 ppm 606 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	100 ppm 543 mg/m3
	TWA	125 ppm 434 mg/m3
m-Xylene (CAS 108-38-3)	STEL	100 ppm 651 mg/m3
	TWA	150 ppm 434 mg/m3
Nickel (CAS 7440-02-0)	TWA	100 ppm 1.5 mg/m3
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
	TWA	150 ppm 434 mg/m3 100 ppm

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

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	75 ppm	
	TWA	50 ppm	
Barium Phosphate (CAS 10048-98-3)	TWA	0.5 mg/m3	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	150 ppm	
	TWA	100 ppm	
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	
Silicon dioxide (CAS 7631-86-9)	TWA	4 mg/m3	Total
		1.5 mg/m3	Respirable.
Titanium dioxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	150 ppm	
	TWA	100 ppm	
Barium Phosphate (CAS 10048-98-3)	TWA	0.5 mg/m3	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	150 ppm	
	TWA	100 ppm	
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
Silicon dioxide (CAS 7631-86-9)	TWA	10 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
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)**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	553 mg/m3	
		150 ppm	
	TWA	369 mg/m3	
Barium Phosphate (CAS 10048-98-3)		100 ppm	
	TWA	0.5 mg/m3	
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	909 mg/m3	
		150 ppm	
Ethylbenzene (CAS 100-41-4)	TWA	606 mg/m3	
		100 ppm	
	STEL	543 mg/m3	
m-Xylene (CAS 108-38-3)		125 ppm	
	TWA	434 mg/m3	
	STEL	651 mg/m3	
Nickel (CAS 7440-02-0)		150 ppm	
	TWA	434 mg/m3	
	STEL	651 mg/m3	
Silicon dioxide (CAS 7631-86-9)		150 ppm	
	TWA	434 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Total dust.
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
Barium Phosphate (CAS 10048-98-3)	TWA	0.5 mg/m3
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	900 mg/m3
		150 ppm
	TWA	600 mg/m3
		100 ppm
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
Titanium dioxide (CAS 13463-67-7)	STEL	20 mg/m3
		10 mg/m3
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

<b>Eye / face protection</b>	Chemical goggles are recommended.
<b>Skin protection</b>	Wear suitable protective clothing. Chemical/oil resistant clothing is recommended.
<b>Respiratory protection</b>	Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
<b>General hygiene considerations</b>	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

<b>Appearance</b>	Gray liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Gray.
<b>Odor</b>	Characteristic of solvents.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	> 1 (air=1)
<b>Boiling point</b>	241 - 407 °F (116.1 - 208.3 °C)
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	< 2 g/100 g
<b>Specific gravity</b>	1.3 (77°F)
<b>Flash point</b>	72 °F (22.2 °C)
<b>Flammability limits in air, upper, % by volume</b>	Not available.

<b>Flammability limits in air, lower, % by volume</b>	0.9 %
<b>Auto-ignition temperature</b>	Not available.
<b>VOC</b>	456 g/l
<b>Evaporation rate</b>	Slower than ether.
<b>Molecular weight</b>	Not available.
<b>Other data</b>	
<b>Decomposition temperature</b>	Not available.
<b>Explosive limit</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Oxidizing properties</b>	Not available.

## 10. Chemical Stability & Reactivity Information

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

## 11. Toxicological Information

### Toxicological data

Components	Species	Test Results
1-Methoxy-2-propanol (CAS 107-98-2)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	15000 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	6600 mg/kg
Dipropylene glycol monomethyl ether (CAS 34590-94-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	9.5 g/kg
<i>Oral</i>		
LD50	Rat	5.35 g/kg
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	18156 mg/kg
<i>Inhalation</i>		
LC50	Rat	55000 mg/m <sup>3</sup>
<i>Oral</i>		
LD50	Rat	3500 mg/kg
m-Xylene (CAS 108-38-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12100 mg/kg
<i>Oral</i>		
LD50	Rat	4300 mg/kg

Components	Species	Test Results
Silicon dioxide (CAS 7631-86-9)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	4300 mg/kg
<b>Sensitization</b>	May cause an allergic skin reaction.	
<b>Acute effects</b>	Harmful if inhaled or absorbed through skin.	
<b>Local effects</b>	Causes skin, eye and respiratory tract irritation. Harmful if swallowed. Can enter lungs and cause damage.	
<b>US. ACGIH Threshold Limit Values</b>		
	Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.	
<b>Chronic effects</b>	May cause damage to the liver and kidneys.	
<b>Carcinogenicity</b>	Possible cancer hazard - may cause cancer based on animal data.	
<b>ACGIH Carcinogens</b>		
Barium Phosphate (CAS 10048-98-3)		A4 Not classifiable as a human carcinogen.
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.
Titanium dioxide (CAS 13463-67-7)		A4 Not classifiable as a human carcinogen.
Xylene (CAS 1330-20-7)		A4 Not classifiable as a human carcinogen.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
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.
Silicon dioxide (CAS 7631-86-9)		3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide (CAS 13463-67-7)		2B Possibly carcinogenic to humans.
Xylene (CAS 1330-20-7)		3 Not classifiable as to carcinogenicity to humans.
<b>US NTP Report on Carcinogens: Anticipated carcinogen</b>		
Nickel (CAS 7440-02-0)		Reasonably Anticipated to be a Human Carcinogen.
<b>US NTP Report on Carcinogens: Known carcinogen</b>		
Nickel (CAS 7440-02-0)		Known To Be Human Carcinogen.
<b>Mutagenicity</b>	No data available.	
<b>Reproductive effects</b>	No data available.	
<b>Symptoms and target organs</b>	Vapors may cause drowsiness and dizziness. Skin and eye irritation. Sensitization.	
<b>Further information</b>	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)		
<b>Aquatic</b>		
Crustacea	EC50	Daphnia
		2.1 mg/l, 48 hours
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )
		32 - 88 mg/l, 96 hours
		Fathead minnow ( <i>Pimephales promelas</i> )
		12.1 mg/l, 96 hours



Components	Species		Test Results
m-Xylene (CAS 108-38-3)			
<b>Aquatic</b>			
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
Xylene (CAS 1330-20-7)			
<b>Aquatic</b>			
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**

Ethylbenzene	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:**

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

**IATA**

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	No
<b>Labels required</b>	3
<b>ERG code</b>	3L
<b>Special precautions for user</b>	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)**

Not regulated.

**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)  
 Xylene (CAS 1330-20-7)

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

Barium Phosphate (CAS 10048-98-3)	1.0 % N040
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 %
Xylene (CAS 1330-20-7)	1.0 %

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

Barium Phosphate (CAS 10048-98-3)	N040 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.
Xylene (CAS 1330-20-7)	Listed.

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

Xylene: 100  
 Barium Phosphate: 1000  
 Ethylbenzene: 1000  
 Chromium: 5000  
 m-Xylene: 1000  
 Nickel: 100

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

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
<b>Section 302 extremely hazardous substance (40 CFR 355, Appendix A)</b>	No
<b>Section 311/312 (40 CFR 370)</b>	Yes
<b>Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)</b>	Not controlled
<b>Canadian regulations</b>	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.
<b>WHMIS status</b>	Controlled
<b>WHMIS classification</b>	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)	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)	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 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

1-Methoxy-2-propanol (CAS 107-98-2)	Listed.
Barium Phosphate (CAS 10048-98-3)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
m-Xylene (CAS 108-38-3)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Silicon dioxide (CAS 7631-86-9)	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.
Quartz (CAS 14808-60-7)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.
Toluene (CAS 108-88-3)	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.
Quartz (CAS 14808-60-7)	Listed: October 1, 1988 Carcinogenic.
Titanium dioxide (CAS 13463-67-7)	Listed: September 2, 2011 Carcinogenic.

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Toluene (CAS 108-88-3)	Listed: January 1, 1991 Developmental toxin.
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**US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

Toluene (CAS 108-88-3)	Listed: August 7, 2009 Female reproductive toxin.
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**US - New Jersey RTK - Substances: Listed substance**

1-Methoxy-2-propanol (CAS 107-98-2)	Listed.
Barium Phosphate (CAS 10048-98-3)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
m-Xylene (CAS 108-38-3)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Titanium dioxide (CAS 13463-67-7)	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**

1-Methoxy-2-propanol (CAS 107-98-2)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
m-Xylene (CAS 108-38-3)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.
Xylene (CAS 1330-20-7)	Listed.

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

Barium Phosphate (CAS 10048-98-3)	500 LBS
Chromium (CAS 7440-47-3)	500 LBS
Ethylbenzene (CAS 100-41-4)	500 LBS
m-Xylene (CAS 108-38-3)	500 LBS
Nickel (CAS 7440-02-0)	500 LBS
Xylene (CAS 1330-20-7)	500 LBS

**US. Pennsylvania RTK - Hazardous Substances**

1-Methoxy-2-propanol (CAS 107-98-2)	Listed.
Chromium (CAS 7440-47-3)	Listed.
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
m-Xylene (CAS 108-38-3)	Listed.
Nickel (CAS 7440-02-0)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Titanium dioxide (CAS 13463-67-7)	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.