



SAFETY DATA SHEET

1. Identification

GHS product identifier STEEL-IT 4210A Epoxy Primer, Part "A"
Product code 4210A
Version # 01
Issue date 10-29-2012
Revision date -
Supersedes date -
CAS # Mixture
Recommended use Paint / Industrial coating.
Recommended Restrictions Not available.
Manufacturer information Stainless Steel Coatings, Inc
835 Sterling Road
South Lancaster, MA, 01561
Contact person: CHEMTREC
sds@steel-it.com
(978) 365-9828

2. Hazards identification

GHS classification

Physical hazards Flammable liquids Category 2

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Sensitization, skin Category 1

Carcinogenicity Category 2

Environmental hazards Not classified.

GHS label elements

Signal word Danger



Hazard statement Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer.

Precautionary statement

Prevention 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe the mist or vapor.

Response In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water fog for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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.

Specific hazards

Vapors irritate the respiratory system, and may cause coughing and difficulties in breathing. May cause lung damage. Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Contains ethylbenzene, which is classified as an IARC 2B chemical (Possibly Carcinogenic to Humans).

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
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

Inhalation	Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort occurs.
Skin	Remove contaminated clothing immediately and wash skin with soap and water. If skin rash or an allergic skin reaction develops, get medical attention.
Eye	Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention.
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.

Most important symptoms and effects, both acute and delayed Vapors may cause drowsiness and dizziness. Irritation of eyes. Skin irritation. Sensitization.

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

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.

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.

Protection of fire-fighters 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.

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 the flow of material, if this is without risk. Dike the spilled material, where this is possible.

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

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 highly flammable, and explosive vapor/air mixtures may be formed. 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

Control parameters

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	

Recommended monitoring procedures

Follow standard monitoring procedures.

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

In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

Hand protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Color

Gray.

Form

Liquid.

Odor

Characteristic of solvents.

Odor threshold

Not available.

pH

Not available.

Melting point/Freezing point

Not available.

Boiling point

241 - 407 °F (116.1 - 208.3 °C)

Flash point

72 °F (22.2 °C)

Evaporation rate

Slower than ether.

Flammability (solid, gas)

Not applicable.

Flammability limits in air, lower, % by volume	0.9 %
Flammability limits in air, upper, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	> 1 (air=1)
Relative density	1.3 (77°F)
Solubility (H2O)	< 2 g/100 g
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC (Weight %)	456 g/l
Molecular weight	Not available.
Other data	
Explosive limit	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.

10. Stability and reactivity

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

11. Toxicological information

Toxicological data

Components	Species	Test Results
1-Methoxy-2-propanol (CAS 107-98-2)		
Acute		
<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)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	9.5 g/kg
<i>Oral</i>		
LD50	Rat	5.35 g/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

Components	Species	Test Results
Silicon dioxide (CAS 7631-86-9)		
Acute		
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
<i>Oral</i>		
LD50	Rat	4300 mg/kg
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.	
Toxicological information	Occupational exposure to the substance or mixture may cause adverse effects.	
Acute toxicity	May cause discomfort if swallowed.	
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/irritation	Causes serious eye irritation.	
Respiratory sensitizer	No data available.	
Skin sensitization	May cause an allergic skin reaction.	
Mutagenicity	No data available.	
Carcinogenicity	Suspected of causing cancer.	
ACGIH Carcinogens		
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.
IARC Monographs. Overall Evaluation of Carcinogenicity		
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.
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	No data available.	
Specific target organ toxicity - repeated exposure	No data available.	
Aspiration hazard	No data available.	
Symptoms	Vapors may cause drowsiness and dizziness. Skin and eye irritation. Sensitization.	
Other 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

Components	Species	Test Results
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
Xylene (CAS 1330-20-7)		
Aquatic		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8 mg/l, 96 Hours
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
Persistence / degradability	No data available.	
Bioaccumulation		
Bioaccumulative potential		
Octanol/water partition coefficient log Kow		
Ethylbenzene		3.15
Xylene		3.2
m-Xylene		3.2
Mobility	The product contains organic solvents which will evaporate easily from all surfaces.	
Other adverse effects	No data available.	
13. Disposal considerations		
Disposal methods	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		
ADR		
UN number	UN1263	
Proper shipping name	Paint	
Hazard class	3	
Packing group	III	
Environmental hazards		
Marine pollutant	No	
Tunnel restriction code	(D/E)	
Labels required	3	
Special precautions	Read safety instructions, SDS and emergency procedures before handling.	
IATA		
UN number	UN1263	
Proper shipping name	Paint	
Hazard class	3	
Packing group	III	
Labels required	3	
Special precautions	Read safety instructions, MSDS and emergency procedures before handling.	
IMDG		
UN number	UN1263	
Proper shipping name	Paint	
Hazard class	3	
Packing group	III	
Environmental hazards		
Marine pollutant	No	
Labels required	3	
EmS	F-E, S-E	
Special precautions	Read safety instructions, MSDS and emergency procedures before handling.	
RID		
UN number	UN1263	

Proper shipping name	Paint
Hazard class	3
Packing group	III
Environmental hazards	
Marine pollutant	No
Labels required	3
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

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

15. Regulatory information

Regulatory information This material safety data sheet was prepared in accordance with "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)".

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)

16. Other information

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

List of abbreviations Not available.



SAFETY DATA SHEET

1. Identification

GHS product identifier	STEEL-IT 4210B Epoxy Finish, Part "B"
Version #	01
Issue date	10-29-2012
Revision date	-
Supersedes date	-
CAS #	Mixture
Recommended use	Paint / Industrial coating.
Recommended Restrictions	Not available.
Manufacturer information	Stainless Steel Coatings, Inc 835 Sterling Road South Lancaster, MA, 01561 Contact person: CHEMTREC sds@steel-it.com (978) 365-9828

2. Hazards identification

GHS classification

Physical hazards	Flammable liquids	Category 3
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Carcinogenicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 2 (Lung)
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2

GHS label elements

Signal word Danger



Hazard statement Flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. May cause damage to organs (Lung) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention	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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe mist or vapor. Avoid release to the environment.
Response	In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water fog for extinction. 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.
Specific hazards	Vapors irritate the respiratory system, and may cause coughing and difficulties in breathing. May cause lung damage. Prolonged contact causes serious eye and tissue damage. Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Contains ethylbenzene, which is classified as an IARC 2B chemical (Possibly Carcinogenic to Humans).

3. Composition/information on ingredients

Components	CAS #	Percent
Polyamide Resin	68410-23-1	25 - 35
Talc	14807-96-6	20 - 40
1-Methoxy-2-propanol	107-98-2	5 - 15
Dipropylene glycol monomethyl ether	34590-94-8	5 - 10
Xylene	1330-20-7	5 - 10
Ethylbenzene	100-41-4	1 - 5
m-Xylene	108-38-3	1 - 5
O-xylene	95-47-6	1 - 3
P-xylene	106-42-3	1 - 3
Triethylenetetramine	112-24-3	< 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

Inhalation	Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort occurs.
Skin	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye	Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.
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.

Most important symptoms and effects, both acute and delayed Vapors may cause drowsiness and dizziness. Extreme irritation of eyes and mucous membranes, including burning and tearing. Skin irritation.

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

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.

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.

Protection of fire-fighters 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.

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.

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

Control parameters

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	150 ppm	
	TWA	100 ppm	
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	
O-xylene (CAS 95-47-6)	STEL	150 ppm	
	TWA	100 ppm	
P-xylene (CAS 106-42-3)	STEL	150 ppm	
	TWA	100 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

Recommended monitoring procedures

Follow standard monitoring procedures.

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

In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

Hand protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Color

Light tan.

Form

Liquid.

Odor

Characteristic of solvents.

Odor threshold

Not available.

pH

Not available.

Melting point/Freezing point

Not available.

Boiling point

280 - 371 °F (137.8 - 188.3 °C)

Flash point

82 °F (27.8 °C)

Evaporation rate

Slower than ether.

Flammability (solid, gas)

Not applicable.

Flammability limits in air, lower, % by volume

1 %

Flammability limits in air, upper, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	> 1 (air=1)
Relative density	1.25 (77°F)
Solubility (H2O)	< 2 g/100 g
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC (Weight %)	456 g/l
Molecular weight	Not available.
Other data	
Explosive limit	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.

10. Stability and reactivity

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

11. Toxicological information

Toxicological data

Components	Species	Test Results
1-Methoxy-2-propanol (CAS 107-98-2)		
Acute		
<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)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	9.5 g/kg
<i>Oral</i>		
LD50	Rat	5.35 g/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

Components	Species	Test Results
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
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.	
Toxicological information	Occupational exposure to the substance or mixture may cause adverse effects.	
Acute toxicity	May cause discomfort if swallowed.	
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/irritation	Causes serious eye damage.	
Respiratory sensitizer	No data available.	
Skin sensitization	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals.	
Mutagenicity	No data available.	
Carcinogenicity	Suspected of causing cancer.	
ACGIH Carcinogens		
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.
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.
Talc (CAS 14807-96-6)		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		
Ethylbenzene (CAS 100-41-4)		2B Possibly carcinogenic to humans.
m-Xylene (CAS 108-38-3)		3 Not classifiable as to carcinogenicity 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.
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	No data available.	
Specific target organ toxicity - repeated exposure	May cause damage to organs (Lung) through prolonged or repeated exposure.	
Aspiration hazard	No data available.	
Symptoms	Vapors may cause drowsiness and dizziness. Extreme irritation of eyes and mucous membranes, including burning and tearing. Skin irritation.	
Other 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
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

Ecotoxicity Toxic to aquatic life with long lasting effects.

Persistence / degradability No data available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

O-xylene	3.12
Ethylbenzene	3.15
P-xylene	3.15
Xylene	3.2
m-Xylene	3.2

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

Other adverse effects No data available.

13. Disposal considerations

Disposal methods 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

ADR

UN number	UN1263
Proper shipping name	Paint
Hazard class	3
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Tunnel restriction code	(D/E)
Labels required	3
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number UN1263
Proper shipping name Paint
Hazard class 3
Packing group III
Labels required 3
Special precautions Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number UN1263
Proper shipping name Paint, MARINE POLLUTANT
Hazard class 3
Packing group III
Environmental hazards
Marine pollutant Yes
Labels required 3
EmS F-E, S-E
Special precautions Read safety instructions, MSDS and emergency procedures before handling.

RID

UN number UN1263
Proper shipping name Paint
Hazard class 3
Packing group III
Environmental hazards
Marine pollutant Yes
Labels required 3
Special precautions Read safety instructions, SDS and emergency procedures before handling.

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

15. Regulatory information

Regulatory information This material safety data sheet was prepared in accordance with "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)".

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)

16. Other information

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

List of abbreviations Not available.