

## 1. Identification

<b>Product identifier</b>	<b>STEEL-IT 2203 Alkyd Precoat</b>
<b>Other means of identification</b>	
<b>SDS number</b>	SDS-2203-USA-EN
<b>Product code</b>	FGPR2203-P (pint), FGPR2203-Q (quart), FGPR2203-G (gallon), FGPR2203-5G (5-gallon pail)
<b>Recommended use</b>	Paint / industrial coating (precoat). Category: Pigmented metallic coating.
<b>Recommended restrictions</b>	Uses other than the recommended use.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company name</b>	Stainless Steel Coatings, Inc.
<b>Address</b>	835 Sterling Road Lancaster, MA 01523
<b>Telephone</b>	978-365-9828
<b>E-mail</b>	sds@steel-it.com
<b>Emergency telephone</b>	CHEMTREC: 1-800-424-9300

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Sensitization, skin	Category 1A
	Carcinogenicity	Category 1A
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure (inhalation)	Category 1 (respiratory tract)
	Specific target organ toxicity, repeated exposure	Category 2 (central nervous system, kidneys, liver, hearing organs)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



**Signal word**

Danger

**Hazard statement**

Highly flammable liquid and vapor. Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May cause cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. Causes damage to organs (respiratory tract) through prolonged or repeated exposure by inhalation. May cause damage to organs (central nervous system, kidneys, liver, hearing organs) through prolonged or repeated exposure. Toxic 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. Do not breathe mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide to extinguish. Collect spillage.

### Storage

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

### Disposal

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

### Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Iron oxide	1309-37-1	10-20
Naphtha (petroleum), hydrotreated light	64742-49-0	10-15
Talc	14807-96-6	10-15
Zinc oxide	1314-13-2	5-10
m-Xylene	108-38-3	5-10
Chromium	7440-47-3	2-5
Ethylbenzene	100-41-4	2-5
p-Xylene	106-42-3	2-5
Distillates (petroleum), hydrotreated light	64742-47-8	1-3
Nickel	7440-02-0	1-3
Quartz	14808-60-7	1-3
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	98-56-6	1-2
Xylene	1330-20-7	1-2
o-Xylene	95-47-6	1-2
2-Butanone oxime	96-29-7	<1
Octanoic acid, cobalt salt	6700-85-2	<1

### Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

<b>Skin contact</b>	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. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Jaundice. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. If exposed or concerned: get medical attention/advice. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Highly flammable liquid and vapor.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors/spray. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Ventilate the contaminated area. Put material in suitable, covered, labeled containers. Collect runoff for disposal as potential hazardous waste. Clean up in accordance with all applicable regulations.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. A vapor-suppressing foam may be used to reduce vapors. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.  Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. This material must be disposed of as hazardous waste. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Persons susceptible to allergic reactions should not handle this product. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Components	Type	Value
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m <sup>3</sup>

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

Components	Type	Value	Form
Chromium (CAS 7440-47-3)	PEL	1 mg/m <sup>3</sup>	
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m <sup>3</sup>	
		100 ppm	
Iron oxide (CAS 1309-37-1)	PEL	10 mg/m <sup>3</sup>	Fume.
m-Xylene (CAS 108-38-3)	PEL	435 mg/m <sup>3</sup>	
		100 ppm	
Nickel (CAS 7440-02-0)	PEL	1 mg/m <sup>3</sup>	
o-Xylene (CAS 95-47-6)	PEL	435 mg/m <sup>3</sup>	
		100 ppm	
p-Xylene (CAS 106-42-3)	PEL	435 mg/m <sup>3</sup>	
		100 ppm	
Xylene (CAS 1330-20-7)	PEL	435 mg/m <sup>3</sup>	
		100 ppm	
Zinc oxide (CAS 1314-13-2)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		5 mg/m <sup>3</sup>	Fume.
		15 mg/m <sup>3</sup>	Total dust.

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

Components	Type	Value	Form
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m <sup>3</sup>	Respirable.
		2.4 mppcf	Respirable.
Talc (CAS 14807-96-6)	TWA	0.1 mg/m <sup>3</sup>	Respirable.
		20 mppcf	
		2.4 mppcf	Respirable.

**US. ACGIH Threshold Limit Values**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Chromium (CAS 7440-47-3)	TWA	0.5 mg/m3	Inhalable fraction.
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
m-Xylene (CAS 108-38-3)	STEL	150 ppm	
	TWA	100 ppm	
Nickel (CAS 7440-02-0)	TWA	1.5 mg/m3	Inhalable fraction.
Octanoic acid, cobalt salt (CAS 6700-85-2)	TWA	0.02 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	
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
Zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
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	
Iron oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
m-Xylene (CAS 108-38-3)	STEL	655 mg/m3	
		150 ppm	
	TWA	435 mg/m3	
		100 ppm	
Nickel (CAS 7440-02-0)	TWA	0.015 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	
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
Xylene (CAS 1330-20-7)	STEL	655 mg/m3	
		150 ppm	
	TWA	435 mg/m3	
		100 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Zinc oxide (CAS 1314-13-2)	Ceiling	15 mg/m <sup>3</sup>	Dust.
	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	5 mg/m <sup>3</sup>	Fume.
		5 mg/m <sup>3</sup>	Dust.

**US. Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value
2-Butanone oxime (CAS 96-29-7)	TWA	36 mg/m <sup>3</sup>
		10 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
m-Xylene (CAS 108-38-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Octanoic acid, cobalt salt (CAS 6700-85-2)	15 µg/l	Cobalt	Urine	*
o-Xylene (CAS 95-47-6)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
p-Xylene (CAS 106-42-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

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

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Wear face shield if there is risk of splashes.

**Skin protection****Hand protection**

Wear appropriate chemical resistant 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.

**Skin protection****Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**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. Wear respiratory protection with combination filter (dust and gas filter) during spraying operations.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. 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. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties****Appearance**

**Physical state** Liquid.

<b>Form</b>	Red liquid.
<b>Color</b>	Red.
<b>Odor</b>	Characteristic of solvents.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	275 - 412 °F (135 - 211.1 °C)
<b>Flash point</b>	40.0 °F (4.4 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.9 %
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	> 1 (Air= 1)
<b>Relative density</b>	1.399 (H2O=1)
<b>Relative density temperature</b>	77 °F (25 °C)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	< 2 g/100 g, Moderately soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	1100 cP
<b>Viscosity temperature</b>	77 °F (25 °C)
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.
<b>VOC</b>	468.7 g/l Test method: Product Formulation Data

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents. Halogens.
<b>Hazardous decomposition products</b>	Thermal decomposition of this product can generate carbon monoxide and carbon dioxide. Metal oxides. Halogenated compounds.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Causes damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes eye irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Jaundice.

**Information on toxicological effects**

**Acute toxicity**

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
2-Butanone oxime (CAS 96-29-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 1000 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	> 900 mg/kg
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	15400 mg/kg
<b>Inhalation</b>		
LC50	Rat	17.4 mg/m <sup>3</sup> , 4 Hours
<b>Oral</b>		
LD50	Rat	35000 - 47000 mg/kg
m-Xylene (CAS 108-38-3)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	5011 mg/kg
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5000 mg/m <sup>3</sup>
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
Nickel (CAS 7440-02-0)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 9000 mg/kg
o-Xylene (CAS 95-47-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 43 g/kg
<b>Inhalation</b>		
LC50	Rat	6350 ppm, 4 Hours
<b>Oral</b>		
LD50	Rat	3608 mg/kg
p-Xylene (CAS 106-42-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 43 g/kg
<b>Inhalation</b>		
LC50	Rat	6580 ppm, 4 Hours



Components	Species	Test Results
<i>Vapor</i> LC50	Rat	20 mg/l, 4 Hours
<b>Oral</b> LD50	Rat	4029 mg/kg
Talc (CAS 14807-96-6)		
<b>Acute</b> <b>Oral</b> LD50	Rat	> 5000 mg/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b> <b>Oral</b> LD50	Rat	3523 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes eye irritation.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	May cause an allergic skin reaction.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	May cause cancer.	
<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.	
Iron oxide (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity 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.	
Quartz (CAS 14808-60-7)	1 Carcinogenic to humans.	
Talc (CAS 14807-96-6)	2B Possibly carcinogenic to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
<b>NTP Report on Carcinogens</b>		
Nickel (CAS 7440-02-0)	Reasonably Anticipated to be a Human Carcinogen.	
Octanoic acid, cobalt salt (CAS 6700-85-2)	Reasonably Anticipated to be a Human Carcinogen.	
Quartz (CAS 14808-60-7)	Known To Be Human Carcinogen.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>		
Quartz (CAS 14808-60-7)	Cancer	
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.	
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness and dizziness.	
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs (respiratory tract) through prolonged or repeated exposure by inhalation. May cause damage to organs (central nervous system, kidneys, liver, hearing organs) through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 2.9 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) 1.81 - 2.38 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 4.2 mg/l, 96 hours
<i>Chronic</i>		
Crustacea	EC50	Ceriodaphnia dubia 3.6 mg/l, 7 days
m-Xylene (CAS 108-38-3)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Oncorhynchus mykiss 8.4 mg/l, 96 Hours
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae 0.4 mg/l, 72 hours
Crustacea	EC50	Daphnia magna 0.7 - 0.9 mg/l, 48 hours
Fish	LC50	Fish 0.3 - 1.3 mg/l, 96 hours
o-Xylene (CAS 95-47-6)		
<b>Aquatic</b>		
Algae	EC50	Selenastrum capricornutum 4.7 mg/l, 72 Hours
Fish	LC50	Oncorhynchus mykiss 7.6 mg/l, 96 hours
p-Xylene (CAS 106-42-3)		
<b>Aquatic</b>		
Algae	EC50	Pseudokirchnerella subcapitata 3.2 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna 8.5 mg/l, 48 Hours
Fish	LC50	Oncorhynchus mykiss 2.6 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 2.6 mg/l, 96 hours
Zinc oxide (CAS 1314-13-2)		
<b>Aquatic</b>		
Crustacea	LC50	Water flea (Daphnia magna) 0.098 mg/l, 48 Hours

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Ethylbenzene (CAS 100-41-4)	3.15
Xylene (CAS 1330-20-7)	3.12 - 3.2
m-Xylene (CAS 108-38-3)	3.2
o-Xylene (CAS 95-47-6)	3.12
p-Xylene (CAS 106-42-3)	3.15

**Mobility in soil** This product is moderately water soluble and may disperse in soil.

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

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### DOT

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	149, B52, IB2, T4, TP1, TP8, TP28
<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>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	PAINT
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-E, S-E
<b>Special precautions for user</b>	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 established.

### 15. Regulatory information

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

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

**CERCLA Hazardous Substance List (40 CFR 302.4)**

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.  
Octanoic acid, cobalt salt (CAS 6700-85-2) Listed.  
o-Xylene (CAS 95-47-6) Listed.  
p-Xylene (CAS 106-42-3) Listed.  
Xylene (CAS 1330-20-7) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Quartz (CAS 14808-60-7) Cancer  
lung effects  
immune system effects  
kidney effects

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Carcinogenicity  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Chromium	7440-47-3	2-5
Ethylbenzene	100-41-4	2-5
m-Xylene	108-38-3	5-10
Nickel	7440-02-0	1-3
o-Xylene	95-47-6	1-2
p-Xylene	106-42-3	2-5
Xylene	1330-20-7	1-2
Zinc oxide	1314-13-2	5-10

**Other federal regulations****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)  
Octanoic acid, cobalt salt (CAS 6700-85-2)  
o-Xylene (CAS 95-47-6)  
p-Xylene (CAS 106-42-3)  
Xylene (CAS 1330-20-7)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****US. Massachusetts RTK - Substance List**

Chromium (CAS 7440-47-3)  
Ethylbenzene (CAS 100-41-4)  
Iron oxide (CAS 1309-37-1)

m-Xylene (CAS 108-38-3)  
Nickel (CAS 7440-02-0)  
o-Xylene (CAS 95-47-6)  
p-Xylene (CAS 106-42-3)  
Quartz (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Xylene (CAS 1330-20-7)  
Zinc oxide (CAS 1314-13-2)

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

4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene (CAS 98-56-6)  
Chromium (CAS 7440-47-3)  
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)  
Ethylbenzene (CAS 100-41-4)  
Iron oxide (CAS 1309-37-1)  
m-Xylene (CAS 108-38-3)  
Nickel (CAS 7440-02-0)  
Octanoic acid, cobalt salt (CAS 6700-85-2)  
o-Xylene (CAS 95-47-6)  
p-Xylene (CAS 106-42-3)  
Quartz (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Xylene (CAS 1330-20-7)  
Zinc oxide (CAS 1314-13-2)

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

Chromium (CAS 7440-47-3)  
Ethylbenzene (CAS 100-41-4)  
Iron oxide (CAS 1309-37-1)  
m-Xylene (CAS 108-38-3)  
Nickel (CAS 7440-02-0)  
Octanoic acid, cobalt salt (CAS 6700-85-2)  
o-Xylene (CAS 95-47-6)  
p-Xylene (CAS 106-42-3)  
Quartz (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Xylene (CAS 1330-20-7)  
Zinc oxide (CAS 1314-13-2)

**US. Rhode Island RTK**

Chromium (CAS 7440-47-3)  
Ethylbenzene (CAS 100-41-4)  
Iron oxide (CAS 1309-37-1)  
m-Xylene (CAS 108-38-3)  
o-Xylene (CAS 95-47-6)  
p-Xylene (CAS 106-42-3)  
Quartz (CAS 14808-60-7)  
Talc (CAS 14807-96-6)  
Xylene (CAS 1330-20-7)  
Zinc oxide (CAS 1314-13-2)

**California Proposition 65**



**WARNING:** This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

Benzene (CAS 71-43-2)	Listed: February 27, 1987
Cadmium (CAS 7440-43-9)	Listed: October 1, 1987
Ethylbenzene (CAS 100-41-4)	Listed: June 11, 2004
Lead (CAS 7439-92-1)	Listed: October 1, 1992
Nickel (CAS 7440-02-0)	Listed: May 7, 2004
Quartz (CAS 14808-60-7)	Listed: October 1, 1988

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

Benzene (CAS 71-43-2)	Listed: December 26, 1997
Cadmium (CAS 7440-43-9)	Listed: May 1, 1997
Lead (CAS 7439-92-1)	Listed: February 27, 1987
Toluene (CAS 108-88-3)	Listed: January 1, 1991

**California Proposition 65 - CRT: Listed date/Female reproductive toxin**

Lead (CAS 7439-92-1) Listed: February 27, 1987

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Benzene (CAS 71-43-2) Listed: December 26, 1997

Cadmium (CAS 7440-43-9) Listed: May 1, 1997

Lead (CAS 7439-92-1) Listed: February 27, 1987

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Chromium (CAS 7440-47-3)

Ethylbenzene (CAS 100-41-4)

m-Xylene (CAS 108-38-3)

Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)

Nickel (CAS 7440-02-0)

Octanoic acid, cobalt salt (CAS 6700-85-2)

o-Xylene (CAS 95-47-6)

p-Xylene (CAS 106-42-3)

Quartz (CAS 14808-60-7)

Talc (CAS 14807-96-6)

Xylene (CAS 1330-20-7)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
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)	Yes
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
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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 04-January-2019

Revision date -

Version # 01

NFPA ratings

**Disclaimer**

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