# **MATERIAL SAFETY DATA SHEET**

# 1. Product and Company Identification

Material name STEEL-IT #1002 Polyurethane (spray/brush grade)

Revision date 02-01-2012

 Version #
 01

 CAS #
 Mixture

 Product code
 1002

 MSDS Number
 SDS-1002

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 Liquid.

Emergency overview WARNING! Flammable liquid and vapor. Causes skin, eye and respiratory tract irritation. May

cause central nervous system effects. May cause damage to the kidneys.

**OSHA** regulatory status

This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure Inhalation. Skin contact. Eyes Causes eye irritation.

**Skin** Causes skin irritation. Prolonged or repeated contact may dry skin and cause irritation.

Inhalation Causes respiratory tract irritation. Overexposure to mists/vapors of this product may cause

headache, dizziness, nausea, and respiratory tract irritation.

IngestionMay cause discomfort if swallowed.Target organsKidneys. Central nervous system

**Chronic effects** Exposure over a long period of time may cause central nervous system effects.

The product contains nickel which is listed by IARC and NTP as a possible human carcinogen

and anticipated human carcinogen repectively.

Signs and symptoms Prolonged or repeated contact may dry skin and cause irritation. Sensitization. Skin irritation.

Upper respiratory tract irritation. Drowsiness and dizziness.

Potential environmental effects Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

# 3. Composition / Information on Ingredients

Components	CAS#	Percent
Stoddard solvent	8052-41-3	20 - 30
4-Chloroalpha.,.alpha.,.trifluorotoluene	98-56-6	20 - 25
Solvent naphtha (petroleum), medium aliph.	64742-88-7	5-7
Chromium	7440-47-3	2 - 5
Distillates, (petroleum), Hydrotreated Light	64742-47-8	2 - 5
Nickel	7440-02-0	2 - 3
Xylene	1330-20-7	1 - 2
Ethylbenzene	100-41-4	<0.1

Quartz 14808-60-7 <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 Check for and remove any contact lenses. Immediately flush with plenty of water for up to 15

minutes. Get medical attention immediately.

**Skin contact** Wash area with soap and water. Get medical attention if irritation develops or persists.

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion** Get medical attention if any discomfort occurs.

Notes to physician Treat symptomatically.

# 5. Fire Fighting Measures

Flammable properties Flammable liquid and vapor. Material will float and may ignite on surface of water. Containers may

explode when heated.

**Extinguishing media** 

Suitable extinguishing

media

Carbon dioxide (CO2). Foam. Dry chemical. Water fog.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

**Protection of firefighters** 

Protective equipment and precautions for firefighters

Self-contained breathing apparatus.

Fire fighting

equipment/instructions

Move container from fire area if it can be done without risk.

**Hazardous combustion** 

products

During fire, gases hazardous to health may be formed.

# 6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Wear suitable protective clothing. See Section 8 of the MSDS for

Personal Protective Equipment.

**Environmental precautions** 

Prevent entry into waterways, sewer, basements or confined areas.

**Methods for containment** 

Eliminate all ignition sources. Dike the spilled material, where this is possible. Prevent entry into

waterways, sewer, basements or confined areas.

Methods for cleaning up

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Use a non-combustible

material like vermiculite, sand or earth to soak up the product and place into a container for later

disposal.

Small Liquid Spills: Absorb up with sand or other non-combustible absorbent material.

Never return spills in original containers for re-use. Following product recovery, flush area with

water. Clean surface thoroughly to remove residual contamination.

#### 7. Handling and Storage

**Handling** Use only with adequate ventilation. Wash thoroughly after handling. Observe good industrial

hygiene practices. Avoid inhalation of vapors and contact with skin and eyes.

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

original container at room temperature. Store away from incompatible materials.

#### 8. Exposure Controls / Personal Protection

Occupational exposure limits

**US. ACGIH Threshold Limit Values** 

Components	Туре	Value	Form
Chromium (7440-47-3)	TWA	0.5 mg/m3	

CPH MSDS NA

906591 Version #: 01 Revision date: 02-01-2012 Print date: 02-01-2012

US. ACGIH Threshold Limit Values
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Components	Туре	Value	Form
Ethylbenzene (100-41-4)	TWA	20 ppm	
Nickel (7440-02-0)	TWA	1.5 mg/m3	Inhalable fraction.
Quartz (14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Solvent naphtha (petroleum	TWA	5 mg/m3	Inhalable fraction.
), medium aliph. ``		•	
(64742-88-7)			
Stoddard solvent	TWA	100 ppm	
(8052-41-3)			
Xylene (1330-20-7)	STEL	150 ppm	
- ,	TWA	100 ppm	
US. OSHA Table Z-1 Limits for Air		• • • • • • • • • • • • • • • • • • • •	
Components	Туре	Value	Form
Chromium (7440-47-3)	PEL	1 mg/m3	
Ethylbenzene (100-41-4)	PEL	435 mg/m3	
,		100 ppm	
Nickel (7440-02-0)	PEL	1 mg/m3	
Solvent naphtha (petroleum	PEL	5 mg/m3	Mist.
	FEL	อ กายู/การ	IVIISL.
), medium aliph. (64742-88-7)			
(64742-66-7) Stoddard solvent	PEL	2900 mg/m3	
	FEL	2900 mg/m3	
(8052-41-3)		E00 nnm	
Vulono (1320-20-7)	DEL	500 ppm	
Xylene (1330-20-7)	PEL	435 mg/m3	
110 00114 T-bl- 7 0 (00 050 1010	4000)	100 ppm	
US. OSHA Table Z-3 (29 CFR 1910.	•	Value	Form
Components	IVNE		1 01111
	Type		Total dust
<u> </u>	TWA	0.3 mg/m3	Total dust.
-		0.3 mg/m3 0.1 mg/m3	Respirable.
Quartz (14808-60-7)	TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf	
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation	TWA nal Health & Safety Code, Sci	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2)	Respirable. Respirable.
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components	TWA nal Health & Safety Code, Scl Type	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value	Respirable.
Components Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)	TWA  nal Health & Safety Code, Sci  Type  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum),	TWA nal Health & Safety Code, Scl Type	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value	Respirable. Respirable.
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum), Hydrotreated Light	TWA  nal Health & Safety Code, Sci  Type  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3) Distillates, (petroleum), Hydrotreated Light (64742-47-8)	TWA  nal Health & Safety Code, Scl  Type  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum), Hydrotreated Light (64742-47-8)	TWA  nal Health & Safety Code, Sci  Type  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum), Hydrotreated Light (64742-47-8)	TWA  nal Health & Safety Code, Scl  Type  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum),  Hydrotreated Light (64742-47-8)	TWA  nal Health & Safety Code, Scl  Type  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum), Hydrotreated Light (64742-47-8)	TWA  nal Health & Safety Code, Scl  Type  TWA  TWA  TWA  STEL	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3 543 mg/m3 125 ppm 434 mg/m3	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum), Hydrotreated Light (64742-47-8)  Ethylbenzene (100-41-4)	TWA  nal Health & Safety Code, Sci Type  TWA  TWA  STEL  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3 543 mg/m3 125 ppm 434 mg/m3 100 ppm	Respirable. Respirable. Form
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum),  Hydrotreated Light (64742-47-8)  Ethylbenzene (100-41-4)  Nickel (7440-02-0)	TWA  TWA  nal Health & Safety Code, Scl  Type  TWA  TWA  STEL  TWA  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3 543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3	Respirable. Respirable.  Form  Vapor.
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3) Distillates, (petroleum), Hydrotreated Light (64742-47-8) Ethylbenzene (100-41-4)  Nickel (7440-02-0) Quartz (14808-60-7)	TWA  nal Health & Safety Code, Sci Type  TWA TWA  STEL  TWA  TWA  TWA  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value  0.5 mg/m3 200 mg/m3  543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3 0.025 mg/m3	Respirable. Respirable.  Form  Vapor.  Respirable particles.
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3) Distillates, (petroleum), Hydrotreated Light 64742-47-8) Ethylbenzene (100-41-4)  Nickel (7440-02-0) Quartz (14808-60-7) Solvent naphtha (petroleum	TWA  TWA  nal Health & Safety Code, Scl  Type  TWA  TWA  STEL  TWA  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value 0.5 mg/m3 200 mg/m3 543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3	Respirable. Respirable.  Form  Vapor.
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3) Distillates, (petroleum), Hydrotreated Light (64742-47-8) Ethylbenzene (100-41-4)  Nickel (7440-02-0) Quartz (14808-60-7) Solvent naphtha (petroleum I), medium aliph.	TWA  nal Health & Safety Code, Sci Type  TWA TWA  STEL  TWA  TWA  TWA  TWA  TWA	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value  0.5 mg/m3 200 mg/m3  543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3 0.025 mg/m3	Respirable. Respirable.  Form  Vapor.  Respirable particles
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3)  Distillates, (petroleum),  Hydrotreated Light (64742-47-8)  Ethylbenzene (100-41-4)	TWA  nal Health & Safety Code, Sci Type  TWA TWA  STEL  TWA  TWA  TWA  TWA  TWA  STEL	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value  0.5 mg/m3 200 mg/m3  543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3 0.025 mg/m3 10 mg/m3	Respirable. Respirable.  Form  Vapor.  Respirable particles. Mist.
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3) Distillates, (petroleum), Hydrotreated Light (64742-47-8) Ethylbenzene (100-41-4)  Nickel (7440-02-0) Quartz (14808-60-7) Solvent naphtha (petroleum), medium aliph. (64742-88-7)	TWA  nal Health & Safety Code, Scl Type  TWA TWA  STEL  TWA  TWA  TWA  TWA  STEL  TWA  TWA  TWA  TWA  STEL	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value  0.5 mg/m3 200 mg/m3  543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3 0.025 mg/m3 10 mg/m3	Respirable. Respirable.  Form  Vapor.  Respirable particles
Quartz (14808-60-7)  Canada. Alberta OELs (Occupation Components  Chromium (7440-47-3) Distillates, (petroleum), Hydrotreated Light (64742-47-8) Ethylbenzene (100-41-4)  Nickel (7440-02-0) Quartz (14808-60-7) Solvent naphtha (petroleum), medium aliph.	TWA  nal Health & Safety Code, Sci Type  TWA TWA  STEL  TWA  TWA  TWA  TWA  TWA  STEL	0.3 mg/m3 0.1 mg/m3 2.4 mppcf hedule 1, Table 2) Value  0.5 mg/m3 200 mg/m3  543 mg/m3 125 ppm 434 mg/m3 100 ppm 1.5 mg/m3 0.025 mg/m3 10 mg/m3	Respirable. Respirable.  Form  Vapor.  Respirable particles. Mist.

# Safety Regulation 296/97, as amended)

Components	Туре	Value	Form
Chromium (7440-47-3)	TWA	0.5 mg/m3	
Distillates, (petroleum), Hydrotreated Light (64742-47-8)	TWA	200 mg/m3	Non-aerosol.
Ethylbenzene (100-41-4)	STEL TWA	125 ppm 100 ppm	
Nickel (7440-02-0)	TWA	0.05 mg/m3	

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

Safety Regulation 296/97, as amer Components	Type	Value	Form
Quartz (14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Solvent naphtha (petroleum	TWA	1 mg/m3	Mist.
, medium aliph.	1 777	i ilig/ilis	Wildt.
64742-88-7)			
Stoddard solvent	STEL	580 mg/m3	
8052-41-3)	0122	coo mg/me	
	TWA	290 mg/m3	
(ylene (1330-20-7)	STEL	150 ppm	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TWA	100 ppm	
		• •	
Canada. Ontario OELs. (Control o Components		nemical Agents) Value	Form
•	Туре		FOIIII
Chromium (7440-47-3)	TWA	0.5 mg/m3	
thylbenzene (100-41-4)	STEL	125 ppm	
	TWA	100 ppm	
lickel (7440-02-0)	TWA	1 mg/m3	Inhalable
uartz (14808-60-7)	TWA	0.1 mg/m3	Respirable.
olvent naphtha (petroleum	STEL	10 mg/m3	Mist.
medium aliph.			
64742-88-7)			
	TWA	5 mg/m3	Mist.
toddard solvent	TWA	100 ppm	
3052-41-3)			
ylene (1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
Canada. Quebec OELS. (Ministry	of Labor - Regulation Respect	• •	vironment)
omponents	Туре	Value	Form
<u> </u>	TWA		
thromium (7440-47-3)		0.5 mg/m3	
thylbenzene (100-41-4)	STEL	543 mg/m3	
	T14/4	125 ppm	
	TWA	434 mg/m3	
		100 ppm	
ickel (7440-02-0)	TWA	1 mg/m3	
uartz (14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
olvent naphtha (petroleum	STEL	10 mg/m3	Mist.
medium aliph.			
64742-88-7)			
	TWA	5 mg/m3	Mist.
toddard solvent	TWA	525 mg/m3	
3052-41-3)			
		100 ppm	
(ylene (1330-20-7)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	
lexico. Occupational Exposure L	imit Values	• •	
omponents	Туре	Value	Form
hromium (7440-47-3)	TWA	0.5 mg/m3	<del>-</del>
	STEL		
thylbenzene (100-41-4)	SIEL	545 mg/m3	
	T)^/^	125 ppm	
	TWA	435 mg/m3	
I'	T10/0	100 ppm	
ickel (7440-02-0)	TWA	1 mg/m3	
uartz (14808-60-7)	TWA	0.1 mg/m3	
olvent naphtha (petroleum	STEL	10 mg/m3	Mist.
medium aliph.			
64742-88-7)			
	TWA	5 mg/m3	Mist.
	OTEL	1050 mg/m3	
	STEL		
	SIEL	-	
stoddard solvent 8052-41-3)	TWA	200 ppm 523 mg/m3	

 Mexico. Occupational Exposure Limit Values

 Components
 Type
 Value
 Form

 Xylene (1330-20-7)
 STEL
 655 mg/m3 150 ppm

 TWA
 435 mg/m3 100 ppm

 100 ppm
 100 ppm

Engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of

inhalation of vapors.

Personal protective equipment

**Eye / face protection** Use approved safety goggles or face shield.

**Skin protection** Wear appropriate chemical resistant clothing to prevent any possibility of skin contact. Nitrile

chemical resistant gloves are recommended. Suitable gloves can be recommended by the glove

supplier.

Respiratory protection In case of inadequate ventilation, use respiratory protection. In case of inadequate ventilation or

when the product is heated, use suitable respiratory equipment with gas filter for organic gas.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

AppearanceLiquid.ColorSilver.

Odor Characteristic of solvents.

Odor threshold Not available.

Physical stateLiquid.FormLiquid.

pH Not available.Melting point Not available.Freezing point Not available.

**Boiling point** 278.6 - 397.4 °F (137 - 203 °C)

Flash point  $98.6 \, ^{\circ}\text{F} \, (37 \, ^{\circ}\text{C})$ Evaporation rate  $0.9 \, (\text{butyl acetate} = 1)$ 

Flammability limits in air, upper, 10.5 %

% by volume

Flammability limits in air, lower, 0.9 %

% by volume

Vapor pressure 5.3 mmHg at 20 °C

Vapor density 6.2 (Air = 1)

Specific gravity 1.15

Solubility (water) Not available.

Partition coefficient < 1 (Log Pow)

(n-octanol/water)

Auto-ignition temperature 932 °F (500 °C)

Decomposition temperature Not available.

**VOC** 490 g/l

Viscosity 700 cP (Brookfield #4 spindle @100rpm)

Bulk density Not Applicable.

10. Chemical Stability & Reactivity Information

Chemical stability Material is stable under normal conditions.

**Conditions to avoid** Heat, sparks, flames. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Metal oxides.

Possibility of hazardous

Will not occur.

reactions

# 11. Toxicological Information

Toxicological data

**Test Results** Components

Xylene (1330-20-7) Acute Oral LD50 Rat: 4300 mg/kg

Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and **Acute effects** 

respiratory tract irritation. Causes skin, eye and respiratory tract irritation.

Sensitization May cause an allergic skin reaction. Suspected of causing cancer. Carcinogenicity

**ACGIH Carcinogens** 

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

Nickel (CAS 7440-02-0) A5 Not suspected as a human carcinogen.

Quartz (CAS 14808-60-7) A2 Suspected human carcinogen.

Solvent naphtha (petroleum), medium aliph. (CAS A4 Not classifiable as a human carcinogen.

64742-88-7)

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. Nickel (CAS 7440-02-0) 2B Possibly carcinogenic to humans.

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.

Solvent naphtha (petroleum), medium aliph. (CAS 3 Not classifiable as to carcinogenicity to humans.

64742-88-7)

Stoddard solvent (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans. Xylene (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

US NTP Report on Carcinogens: Anticipated carcinogen

Nickel (CAS 7440-02-0) Reasonably Anticipated to be a Human Carcinogen.

**US NTP Report on Carcinogens: Known carcinogen** 

Nickel (CAS 7440-02-0) Known To Be Human Carcinogen. Quartz (CAS 14808-60-7) Known To Be Human Carcinogen.

Mutagenicity There is no data to indicate that any component present at greater than 0.1% may present a risk. **Teratogenicity** There is no data to indicate that any component present at greater than 0.1% may present a risk.

Symptoms and target Prolonged or repeated contact may dry skin and cause irritation. Sensitization. Skin irritation.

organs Upper respiratory tract irritation. Headaches, dizziness and nausea.

# 12. Ecological Information

**Ecotoxicological data** 

Components **Test Results** 

LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss): 8 Xylene (1330-20-7)

mg/I 96 Hours

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **Ecotoxicity** 

No data available. Persistence and

degradability

Bioaccumulation / No data available.

Accumulation

**Partition coefficient** < 1 (Log Pow)

(n-octanol/water)

Mobility in environmental No data available.

media

906591 Version #: 01 Revision date: 02-01-2012 Print date: 02-01-2012

# 13. Disposal Considerations

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

**Disposal instructions**Must be incinerated in a suitable incineration plant holding a permit delivered by the competent

authorities. Do not allow this material to drain into sewers/water supplies. Do not contaminate

ponds, waterways or ditches with chemical or used container.

Waste from residues / unused

products

Dispose of waste and residues in accordance with local authority requirements.

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

emptied.

#### 14. Transport Information

#### DOT

**Basic shipping requirements:** 

UN number UN1263

Proper shipping name Paint related material including paint thinning, drying, removing, or reducing compound (Stoddard

solvent

Hazard class 3
Packing group III

**Environmental hazards** 

Marine pollutant Yes Labels required 3

Additional information:

Special provisions B1, B52, IB3, T2, TP1, TP29

Packaging exceptions 150
Packaging non bulk 173
Packaging bulk 242

#### **IATA**

**Basic shipping requirements:** 

UN number 1263

Proper shipping name Paint (Stoddard solvent)

Hazard class 3
Packing group III

**Environmental hazards** 

Marine pollutant Yes

Additional information:

ERG code 3L

#### **IMDG**

**Basic shipping requirements:** 

UN number 1263

Proper shipping name PAINT (Stoddard solvent)

Hazard class 3 Packing group III

**Environmental hazards** 

Marine pollutant Yes EmS No. F-E, S-E

#### **TDG**

**Basic shipping requirements:** 

Proper shipping name PAINT (Stoddard solvent)

Hazard class 3
UN number UN1263
Packing group III
Marine pollutant D
Additional information:

Special provisions 59, 83

CPH MSDS NA

# 15. Regulatory Information

**US federal regulations**This product is hazardous according to OSHA 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

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

4-Chloro-.alpha.,.alpha.,.trifluorotoluene (CAS

98-56-6)

US CAA Section 112 Hazardous Air Pollutants (HAPs) List

CHROMIUM COMPOUNDS (CAS 7440-47-3)

ETHYLBENZENE (CAS 100-41-4) M-XYLENES (CAS 1330-20-7)

NICKEL COMPOUNDS (CAS 7440-02-0)

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

 Chromium (CAS 7440-47-3)
 1.0 %

 Ethylbenzene (CAS 100-41-4)
 0.1 %

 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

 Chromium (CAS 7440-47-3)
 Listed.

 Ethylbenzene (CAS 100-41-4)
 Listed.

 Nickel (CAS 7440-02-0)
 Listed.

 Xylene (CAS 1330-20-7)
 Listed.

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

Chromium: 5000 Nickel: 100 Ethylbenzene: 1000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CRF 355, Appendix A)

Yes

No

Section 311/312 (40 CFR

370)

**Drug Enforcement** 

Canadian regulations

Administration (DEA) (21 CFR

1308.11-15)

WHMIS status

Not controlled

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.

1.0 % One-Time Export Notification only.

Controlled

WHMIS classification B2 - Flammable/Combustible

D2A - Other Toxic Effects-VERY TOXIC D2B - Other Toxic Effects-TOXIC

WHMIS labeling





#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical	Yes

STEEL-IT #1002 Polyurethane (spray/brush grade)
906591 Version #: 01 Revision date: 02-01-2012 Print date: 02-01-2012

Country(s) or region	Inventory name		On inventory (yes/no)*
Europe	European List of Notified C	hemical Substances (ELINCS)	No
Japan	Inventory of Existing and N	ew Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (EC	CL)	Yes
New Zealand	New Zealand Inventory		Yes
Philippines	Philippine Inventory of Che (PICCS)	micals and Chemical Substances	Yes
United States & Puerto Rico	Toxic Substances Control A	Act (TSCA) Inventory	Yes
*A "Yes" indicates that all comp		the inventory requirements administered by the	governing country(s)
te regulations		ontains chemicals known to the State of Ca	• • • • • • • • • • • • • • • • • • • •
US - California Hazardous	Substances (Director's): List	ed substance	
Chromium (CAS 7440-4		Listed.	
Ethylbenzene (CAS 100		Listed.	
Nickel (CAS 7440-02-0)	)	Listed.	
64742-88-7)	eum), medium aliph. (CAS	Listed.	
Stoddard solvent (CAS		Listed.	
Xylene (CAS 1330-20-7		Listed.	
		uctive Toxicity (CRT): Listed substance	
Ethylbenzene (CAS 100 Nickel (CAS 7440-02-0		Listed.	
Quartz (CAS 14808-60-		Listed. Listed.	
•	າ 65 - CRT: Listed date/Carcir		
Ethylbenzene (CAS 100		_	
Nickel (CAS 7440-02-0)		Listed: June 11, 2004 Carcinogenic. Listed: October 1, 1989 Carcinogenic.	
Quartz (CAS 14808-60-		Listed: October 1, 1988 Carcinogenic.	
· ·	Substance: Listed substance		
Chromium (CAS 7440-4	17-3)	Listed.	
·	Hydrotreated Light (CAS	Listed.	
Ethylbenzene (CAS 100	)-41-4)	Listed.	
Nickel (CAS 7440-02-0)		Listed.	
Quartz (CAS 14808-60-		Listed.	
64742-88-7)	eum), medium aliph. (CAS	Listed.	
Stoddard solvent (CAS		Listed.	
Xylene (CAS 1330-20-7		Listed.	
	ity RTK (EHS Survey): Repor		
Chromium (CAS 7440-4	,	500 LBS	
64742-47-8)	Hydrotreated Light (CAS	10000 LBS	
Ethylbenzene (CAS 100		500 LBS	
Nickel (CAS 7440-02-0) Xylene (CAS 1330-20-7		500 LBS 500 LBS	
	bstances: Listed substance	300 EBS	
	"alphatrifluorotoluene (CAS	Listed.	
Chromium (CAS 7440-4	17-3)	Listed.	
Ethylbenzene (CAS 100		Listed.	
Nickel (CAS 7440-02-0)	•	Listed.	
Quartz (CAS 14808-60-		Listed.	
Stoddard solvent (CAS		Listed.	
Xylene (CAS 1330-20-7		Listed.	
-	lazardous Substances: All co	ompounds of this substance are conside	red environmental
hazards			
Chromium (CAS 7440-4	<del>1</del> 7-3)	LISTED	

LISTED

Listed.

Nickel (CAS 7440-02-0)

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Distillates, (petroleum), Hydrotreated Light (CAS Listed.

64742-47-8)

Ethylbenzene (CAS 100-41-4) Listed. Nickel (CAS 7440-02-0) Listed. Quartz (CAS 14808-60-7) Listed. Listed. Solvent naphtha (petroleum), medium aliph. (CAS

64742-88-7)

Stoddard solvent (CAS 8052-41-3) Listed. Xylene (CAS 1330-20-7) Listed.

#### US - Pennsylvania RTK - Hazardous Substances: Special hazard

Chromium (CAS 7440-47-3) Special hazard. Nickel (CAS 7440-02-0) Special hazard.

#### 16. Other Information

**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.

Issue date 02-01-2012

CPH MSDS NA

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