



# Material Safety Data Sheet

Issuing Date 18-Sep-2012

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Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** E-F Series ProSelect WHITE HIGH VOC SEMI GLOSS SOLVENT PAINT  
**Product Code(s)** 98EF2270  
**UN-Number** UN1263  
**Recommended Use** Traffic paint  
**Product Technology** S/B

### Manufacturer Address

Ennis-Flint  
5910 North Central Expressway  
Suite 1050  
Dallas TX 75206  
T: 800.331.8118  
800.331.8118 (For Technical Inquiries)

**Chemical Emergency Phone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**DANGER!**

### Emergency Overview

Highly flammable liquid and vapor  
Irritating to eyes and skin  
Risk of serious damage to the lungs (by aspiration)  
Causes central nervous system depression  
Cancer hazard

May adversely affect nervous system, liver, kidney and heart  
Contains a known or suspected reproductive toxin

WARNING! This product contains a chemical known in the State of California to cause cancer and birth defects or other reproductive harm.

**Appearance** White

**Physical State** Liquid.

**Odor** Aromatic solvent/toluene

### Potential Health Effects

**Principle Routes of Exposure** Inhalation. Skin contact. Eye contact.

### **Acute Toxicity**

**Eyes**

Moderately irritating to the eyes

**Skin**

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

**Inhalation**

May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Sanding and grinding dust may be harmful if inhaled.

<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes. Harmful if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May cause additional affects as listed under "Inhalation".
<b>Chronic Effects</b>	Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands. Contains a known or suspected reproductive toxin.
<b>Aggravated Medical Conditions</b>	Skin disorders. Pre-existing eye disorders. Central nervous system. Respiratory disorders.
<b>Interactions with Other Chemicals</b>	Use of alcoholic beverages may enhance toxic effects.
<b>Environmental Hazard</b>	See Section 12 for additional Ecological Information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	10-30
Methyl ethyl ketone	78-93-3	5-10
Barium sulfate	7727-43-7	3-7
Titanium dioxide	13463-67-7	3-7
Zinc sulfide	1314-98-3	1-5
Ethyl benzene	100-41-4	0.1-1
Quartz	14808-60-7	0.1-1
Benzene	71-43-2	<0.1

**4. FIRST AID MEASURES**

<b>General Advice</b>	If swallowed, get medical help or contact a Poison Control Center right away. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Consult a physician.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. Consult a physician.
<b>Notes to Physician</b>	Aspiration hazard. Treat symptomatically.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Highly flammable liquid and vapor			
<b>Flash Point</b>	-14 °F / -10 °C			
<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam. Use water spray or fog; do not use straight streams.			
<b>Unsuitable Extinguishing Media</b>	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.			
<b>Explosion Data</b>				
<b>Sensitivity to Mechanical Impact</b>	None.			
<b>Sensitivity to Static Discharge</b>	Yes.			
<b>Specific Hazards Arising from the Chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Extremely flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition			
<b>Protective Equipment and Precautions for Firefighters</b>	Move containers from fire area if you can do it without risk.			
<b>NFPA</b>	<b>Health Hazard</b> 2	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazard</b> 2*	<b>Flammability</b> 3	<b>Physical Hazard</b> 0	<b>Personal Protection</b> X

\*Indicates a chronic health hazard.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Pay attention to flashback. Use personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Dike far ahead of liquid spill for later disposal. A vapor suppressing foam may be used to reduce vapors.
<b>Methods for Cleaning Up</b>	Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take precautionary measures against static discharges. Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
<b>Other Information</b>	Water spray may reduce vapor; but may not prevent ignition in closed spaces.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Use only in area provided with appropriate exhaust ventilation. Use only in an area containing flame proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists.
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**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep away from heat.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m <sup>3</sup> (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m <sup>3</sup>	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> STEL: 300 ppm STEL: 885 mg/m <sup>3</sup>
Barium sulfate 7727-43-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>
Ethyl benzene 100-41-4	STEL: 125 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	30/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, Total Dust; 250/(%SiO <sub>2</sub> +5) mppcf TWA, respirable fraction; 10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, respirable TWA: 0.1 mg/m <sup>3</sup> (vacated)	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures** Showers. Eyewash stations. Explosion proof ventilation systems.

### Personal Protective Equipment

**Eye/Face Protection**

Tightly fitting safety goggles.

**Skin and Body Protection**

Impervious gloves. Solvent-resistant apron and boots

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

### Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White.	<b>Odor</b>	Aromatic solvent/toluene.
<b>Odor Threshold</b>	Not applicable	<b>Physical State</b>	Liquid
<b>pH</b>	Not applicable	<b>Autoignition Temperature</b>	Not applicable
<b>Flash Point</b>	-14 °F / -10 °C	<b>Boiling Point/Boiling Range</b>	>35 °C / >95 °F
<b>Decomposition Temperature</b>	Not applicable	<b>Flammability Limits in Air</b>	(Toluene)
<b>Melting Point/Range</b>	Not applicable	<b>Upper</b>	7.1%
		<b>Lower</b>	1.1%
<b>Specific Gravity</b>	1.5-1.6	<b>Solubility</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable	<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable	<b>VOC (g/l)</b>	<100

### 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Strong oxidizing agents. Strong acids.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Hazardous Decomposition Products</b>	Carbon oxides. Hydrocarbons.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information** No acute toxicity information is available for this product.

### **Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	>5580 mg/kg ( Rat )	12124 mg/kg ( Rat ) 8390 mg/kg ( Rabbit )	26700 ppm ( Rat ) 1 h
Methyl ethyl ketone	= 2737 mg/kg ( Rat )	= 6480 mg/kg ( Rabbit )	23500 mg/m <sup>3</sup>
Quartz	500 mg/kg ( Rat )		

### Chronic Toxicity

#### **Chronic Toxicity**

Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands. Contains a known or suspected reproductive toxin.

#### **Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene		Group 3	-	-
Titanium dioxide		Group 2B		X
Ethyl benzene	A3	Group 2B		X
Quartz	A2	Group 1	Known	X
Benzene	A1	Group 1	Known	X

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

- A1 - Known Human Carcinogen
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

- Group 1 - Carcinogenic to Humans
- Group 2B - Possibly Carcinogenic to Humans
- Group 3: Not Classifiable as to its Carcinogenicity to Humans

**NTP: (National Toxicity Program)**

- Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

- X - Present

#### **Reproductive Toxicity**

Product is or contains a chemical which is a known or suspected reproductive hazard.

#### **Target Organ Effects**

Central nervous system (CNS). Respiratory system.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Toluene	EC50: >433 mg/L Pseudokirchneriella subcapitata 96 h EC50: 12.5 mg/L Pseudokirchneriella subcapitata 72 h static	LC50: 15.22-19.05 mg/L Pimephales promelas 96 h flow-through LC50: 12.6 mg/L Pimephales promelas 96 h static LC50: 5.89-7.81 mg/L Oncorhynchus mykiss 96 h flow-through LC50: 14.1-17.16 mg/L Oncorhynchus mykiss 96 h static LC50: 5.8 mg/L Oncorhynchus mykiss 96 h semi-static LC50: 11.0-15.0 mg/L Lepomis macrochirus 96 h static LC50: 54 mg/L Oryzias latipes 96 h static LC50: 28.2 mg/L Poecilia reticulata 96 h semi-static LC50: 50.87-70.34 mg/L Poecilia reticulata 96 h static	EC50 = 19.7 mg/L 30 min	EC50 48 h: 5.46 - 9.83 mg/L Static (Daphnia magna) EC50 48 h: = 11.5 mg/L (Daphnia magna)
Methyl ethyl ketone		LC50 96 h: 3130-3320 mg/L flow-through (Pimephales promelas)	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	EC50 48 h: 4025 - 6440 mg/L Static (Daphnia magna) EC50 48 h: = 5091 mg/L (Daphnia magna) EC50 48 h: > 520 mg/L (Daphnia magna)
Ethyl benzene	EC50 96 h: 1.7 - 7.6 mg/L static (Pseudokirchneriella subcapitata) EC50 72 h: 2.6 - 11.3 mg/L static (Pseudokirchneriella subcapitata) EC50 72 h: = 4.6 mg/L (Pseudokirchneriella subcapitata) EC50 96 h: > 438 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 11.0-18.0 mg/L static (Oncorhynchus mykiss) LC50 96 h: 7.55-11 mg/L flow-through (Pimephales promelas) LC50 96 h: 9.1-15.6 mg/L static (Pimephales promelas) LC50 96 h: = 32 mg/L static (Lepomis macrochirus) LC50 96 h: = 4.2 mg/L semi-static (Oncorhynchus mykiss) LC50 96 h: = 9.6 mg/L static (Poecilia reticulata)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 48 h: 1.8 - 2.4 mg/L (Daphnia magna)
Benzene	EC50 72 h: = 29 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 10.7-14.7 mg/L flow-through (Pimephales promelas) LC50 96 h: 22330-41160 µg/L static (Pimephales promelas) LC50 96 h: 70000-142000 µg/L static (Lepomis macrochirus) LC50 96 h: = 22.49 mg/L static (Lepomis macrochirus) LC50 96 h: = 28.6 mg/L static (Poecilia reticulata) LC50 96 h: = 5.3 mg/L flow-through (Oncorhynchus mykiss)		EC50 48 h: 8.76 - 15.6 mg/L Static (Daphnia magna) EC50 48 h: = 10 mg/L (Daphnia magna)

<b>Chemical Name</b>	<b>Log Pow</b>
Toluene	2.65
Methyl ethyl ketone	0.29
Ethyl benzene	3.118
Benzene	1.83



### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with local regulations. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Do not re-use empty containers.

**US EPA Waste Number**

- D001
- D018
- U019
- U056
- U154
- U220

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene - 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151		U220
Methyl ethyl ketone - 78-93-3	waste number U159	Included in waste streams: F005, F039	= 200.0 mg/L regulatory level	U159
Ethyl benzene - 100-41-4		Included in waste stream: F039		
Benzene - 71-43-2	waste number U019	Included in waste streams: F005, F024, F025, F037, F038, F039, K085, K104, K105, K141, K142, K143, K144, K145, K147, K151, K159, K169, K171, K172	= 0.5 mg/L regulatory level	U019
Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene - 108-88-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Toluene	Toxic Ignitable
Methyl ethyl ketone	Toxic Ignitable
Barium sulfate	Toxic soluble
Zinc sulfide	Toxic
Ethyl benzene	Toxic Ignitable
Benzene	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**DOT**

UN-Number UN1263  
Proper shipping name Paint  
Hazard Class 3  
Subsidiary Class  
Packing Group II  
Description UN1263, Paint, 3, , II  
Emergency Response Guide Number 128

**TDG**

UN-Number UN1263  
Proper Shipping Name Paint  
Hazard Class 3  
Packing Group II  
Description UN1263, PAINT, 3, II

**MEX**

UN-Number UN1263  
Proper Shipping Name Paint  
Hazard Class 3  
Packing Group II  
Description UN1263 Paint, 3, II

**ICAO**

UN-Number UN1263  
Proper shipping name Paint  
Hazard Class 3  
Packing Group II  
Description UN1263, Paint, 3, II

**IATA**

UN-Number UN1263  
Proper Shipping Name Paint  
Hazard Class 3  
Packing Group II  
ERG Code 3L  
Description UN1263, Paint, 3, II

**IMDG/IMO**

UN-Number UN1263  
Proper Shipping Name Paint  
Hazard Class 3  
Packing Group II  
EmS No. F-E, S-E  
Description UN1263, Paint, 3, II

**RID**

UN-Number UN1263  
Proper Shipping Name Paint  
Hazard Class 3  
Packing Group II  
Classification Code F1  
Description UN1263 Paint, 3, II

**ADR**

UN-Number UN1263  
 Proper Shipping Name Paint  
 Hazard Class 3  
 Packing Group II  
 Classification Code F1  
 Description UN1263 Paint, 3, II

**ADN**

UN-No UN1263  
 Proper Shipping Name Paint  
 Hazard Class 3  
 Packing Group II  
 Classification Code F1  
 Special Provisions 163, 640C, 650  
 Description UN1263 Paint, 3, II  
 Hazard Labels 3  
 Limited Quantity LQ6  
 Ventilation VE01

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL Complies

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	10-30	1.0
Barium sulfate	7727-43-7	1-10	1.0
Zinc sulfide	1314-98-3	1-5	1.0
Ethyl benzene	100-41-4	0.1-1.0	0.1

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard Yes  
 Fire Hazard No  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X
Zinc sulfide		X		
Ethyl benzene	1000 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Toluene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Methyl ethyl ketone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Ethyl benzene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental
Titanium dioxide	13463-67-7	Carcinogen
Ethyl benzene	100-41-4	Carcinogen
Quartz	14808-60-7	Carcinogen
Benzene	71-43-2	Carcinogen Developmental Male Reproductive

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X
Methyl ethyl ketone	X	X	X	X	X
Barium sulfate	X	X	X		
Titanium dioxide	X	X	X	-	X
Ethyl benzene	X	X	X	X	X
Quartz	X	X	X	-	X

**International Regulations**

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m <sup>3</sup>
Methyl ethyl ketone		Mexico: TWA 200 ppm Mexico: TWA 590 mg/m <sup>3</sup> Mexico: STEL 300 ppm Mexico: STEL 885 mg/m <sup>3</sup>
Titanium dioxide		Mexico: TWA= 10 mg/m <sup>3</sup> Mexico: STEL= 20 mg/m <sup>3</sup>
Ethyl benzene		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 125 ppm Mexico: STEL 545 mg/m <sup>3</sup>
Quartz		Mexico: TWA= 0.1 mg/m <sup>3</sup>

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

B2 Flammable liquid  
D2A Very toxic materials  
D2B Toxic materials



**Canadian National Pollutant Release Inventory (NPRI)**

Component	NPRI
Toluene 108-88-3 ( 10-30 )	X
Methyl ethyl ketone 78-93-3 ( 5-10 )	X
Ethyl benzene 100-41-4 ( 0.1-1 )	X
Benzene 71-43-2 ( <0.1 )	X

**Legend**

X - Listed

**16. OTHER INFORMATION**

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 18-Sep-2012  
**Revision Date** 18-Sep-2012  
**Revision Note** Initial Release

**General Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and it does not purport to be all inclusive and shall be used only as a guide. We urge each customer or recipient of this MSDS to study it carefully to become aware of and understand the potential hazards associated with the product. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Any use of the product not in conformance with this MSDS or in combination with any other product or process is the responsibility of the user. Customary precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Remove all soiled and contaminated clothing immediately.

**End of Safety Data Sheet**