

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: #1600 Rubberized Undercoat
 Date Printed: August 1, 2013
 Product Use/Class: Undercoating

Supplier: International Epoxies & Sealers
 30241 Commerce Drive
 San Antonio, FL 33576
 Information Phone: 1-800-451-7206

Emergency Telephone: INFOTRAC 1-800-535-5053
 Outside the U.S. Call collect: 1-352-323-3500

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	%
Calcium Carbonate	1317-6-3	30-60
Toluene	108-88-3	10-30
Methyl Acetate	79-20-9	1-5
bis(2-ethylhexyl)terephthalate	6422-86-2	1-5
Methanol	67-56-1	1-5

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

3. HAZARDOUS IDENTIFICATION

DANGER!

Emergency Overview

Flammable liquid - Irritating to respiratory system
 Irritating to skin - Irritating to eyes
 Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal
 Vapors may cause flash fire or explosion

Appearance: Opaque **Physical state:** Liquid **Odor:** Solvent

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Principle Routes of Exposure: Eye contact. Skin contact. Inhalation.
 Acute toxicity
 Eyes: Irritating to eyes.
 Skin: Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.
 Inhalation: Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
 Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Not an expected route of exposure. Potential for aspiration if swallowed.

Chronic Effects Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

Main Symptoms	Prolonged skin contact may defat the skin and produce dermatitis.
Aggravated Medical Conditions	No information available.
Interactions with Other Chemicals	Oxidizing agents
Environmental hazard	See Section 12 for additional Ecological Information

4. FIRST AID MEASURES

Ingestion: Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

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Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
Skin Contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.
Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

5. FIRE FIGHTING MEASURES

Flash Point: < 48°F/<8.89°C Method: Based on components

Estimated NFPA Code:
Health Hazard: 2
Fire Hazard: 4
Reactivity Hazard: 0
Specific Hazard:

Estimated HMIS Code:
Health Hazard: 2
Flammability Hazard: 3
Reactivity Hazard: 0
Personal Protection: B

Recommended Extinguishing Agents: Foam. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO₂).
Hazardous Combustion Products: Carbon Oxides.

Explosion Data:

Sensitivity to Static Discharge: No information available

Specific hazards arising from the chemical: Containers can build up pressure if exposed to heat (fire). Keep containers and surrounding areas cool with water spray.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Ensure adequate ventilation. For personal protection see section 8.
Environmental Precautions: Do not flush into surface water or sanitary sewer system.
Containment Methods: Prevent further leakage or spillage if safe to do so.
Clean-up Measures: Remove all ignition sources. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. HANDLING AND STORAGE

Handling: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat, sparks and open flame. No smoking. Wash thoroughly after handling.
Storage: Keep out of the reach of children. Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
CALCIUM CARBONATE 1317-65-3		TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³
METHYL ACETATE	STEL: 250 ppm	TWA: 200 ppm	IDLH: 3100 ppm

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79-20-9	TWA: 200 ppm	TWA: 610 mg/m3 (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m3 (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m3	TWA: 200 ppm TWA: 610 mg/m3 STEL: 250 ppm STEL: 760 mg/m3
Conitnued			
METHANOL 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m3 (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m3 (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m3 (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m3 STEL: 250 ppm STEL: 325 mg/m3
CARBON BLACK 1333-86-4	TWA: 3 mg/m3 inhalable fraction	TWA: 3.5 mg/m3 (vacated) TWA: 3.5 mg/m3	IDLH: 1750 mg/m3 TWA: 3.5 mg/m3 TWA: 0.1 mg/m3 Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m3	
GRAPHITE 7782-42-5	TWA: 0.025 mg/m3 respirable fraction	TWA: 15 mg/m3 total dust synthetic TWA: 5 mg/m3 respirable fraction synthetic (vacated) TWA: 2.5 mg/m3 respirable dust natural (vacated) TWA: 10 mg/m3 total dust synthetic (vacated) TWA: 5 mg/m3 respirable fraction synthetic TWA: 15 mppcf natural	IDLH: 1250 mg/m3 TWA: 2.5 mg/m3 natural respirable dust
SILICA, CRYSTALLINE 14808-60-7	TWA: 0.025 mg/m3 respirable fraction	(vacated) TWA: 0.1 mg/m3 respirable dust : (30)/(%SiO2 + 2) mg/m3 TWA total dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m3 TWA respirable fraction	IDLH: 50 mg/m3 respirable dust TWA: 0.05 mg/m3 respirable dust
BENZENE 71-43-2	STEL: 2.5 ppm TWA: 0.5 ppm S*	TWA: 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028 TWA: 1 ppm (vacated) TWA: 10 ppm unless specified in 1910.1028 (vacated) STEL: 50 ppm 10 min unless specified in 1910.1028 (vacated) Ceiling: 25 ppm unless specified in 1910.1028 Ceiling: 25 ppm STEL: 5 ppm see 29 CFR 1910.1028	IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m3 (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m3	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m3 STEL: 125 ppm STEL: 545 mg/m3
NAPHTHALENE 91-20-3	STEL: 15 ppm TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m3 (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m3 (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m3	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m3 STEL: 15 ppm STEL: 75 mg/m3

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: Ensure adequate ventilation

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Personal Protective Equipment

Eye/Face Protection; Safety glasses with side-shields.

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures Do not eat, drink or smoke when using this product. General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Avoid breathing vapors, mist or gas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Black
Appearance: Opaque
Odor: Solvent

Property	Values	Remarks / Methods
pH	Not applicable	
Boiling point/boiling range		No information available
Flash Point	< 8.89 °C / < 48 °F	(based on components)
Flammability Limits in Air upper flammability limit lower flammability limit		No data available
Vapor pressure		Not Determined
Specific Gravity	1.38	No information available
Water solubility		No information available
Viscosity, kinematic		No information available
VOC Content(%)	24.64	
EPA VOC (g/l)	340	

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Incompatible products: Strong oxidizing agents.
Conditions to Avoid: Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products: Carbon oxides. Fumes.
Hazardous Reactions: No information available.
Hazardous Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product information: Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
TOLUENE	636 mg/kg (Rat)	8390 mg/kg (Rabbit) 12124 mg/kg (Rat)	12.5 mg/L (Rat) 4 h 26700 ppm (Rat) 1 h
METHYL ACETATE	5000 mg/kg (Rat)	2000 mg/kg (Rat) 5000 mg/kg (Rabbit)	16000 ppm (Rat) 4 h
METHANOL	5628 mg/kg (Rat)	15800 mg/kg (Rabbit)	83.2 mg/L (Rat) 4 h 64000 ppm (Rat) 4 h

Chronic Toxicity

Chronic toxicity: Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

Carcinogenicity: The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene		Group3		

IARC: (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects: Central nervous system. Eyes. Gastrointestinal tract (GI). Kidney. Liver. Respiratory system. Skin.

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12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated packaging: Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Flammable Liquid, N.O.S.
Hazard Class: 3
ID Number: UN1993
Packaging Group: II
Label Statement: Flammable

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA	DSL	-	NDSL	-	EINECS	-
ELINCS	-	ENCS	-	IECSC	-	KECL	-
PICCS	-	AICS	-				

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Calcium Carbonate	Present	Not Listed	X	215-279-6	Not Listed	Present	X	KE-21996	X	X
Toluene	Present	X	Not Listed	203-625-9	Not Listed	Present	X	KE-33936	X	X
Methyl Acetate	Present	X	Not Listed	201-185-2	Not Listed	Present	X	KE-23405	X	X
Bis(2-ethylhexyl) Terephthalate	Present	X	Not Listed	229-176-9	Not Listed	Present	X	KE-02197	X	X
Methanol	Present	X	Not Listed	200-659-6	Not Listed	Present	X	KE-23193	X	X

AICS - Australian Inventory of Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. FEDERAL REGULATIONS

SARA 313

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	SARA 313 - Threshold Values %
TOLUENE	1.0
METHANOL	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes

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Sudden Release of Pressure Hazard No
Reactive Hazard No

U.S. STATE REGULATIONS

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
CARBON BLACK	Carcinogen
SILICA, CRYSTALLINE	Carcinogen
BENZENE	Carcinogen
	Developmental
	Male Reproductive
ETHYL BENZENE	Carcinogen
NAPHTHALENE	Carcinogen
TOLUENE	Developmental
	Female Reproductive
METHANOL	Carcinogen

U.S. STATE RIGHT-TO-KNOW REGULATIONS

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TOLUENE	X	X	X	X	
METHYL ACETATE	X	X	X		
METHANOL	X	X	X	X	
CARBON BLACK	X	X	X	X	
SILICA, CRYSTALLINE	X	X	X		

INTERNATIONAL REGULATIONS

Chemical Name	Carcinogen Status	Exposure Limits
TOLUENE		Mexico: TWA 50 ppm Mexico: TWA 188 mg/m3
METHYL ACETATE		Mexico: TWA 200 ppm Mexico: TWA 610 mg/m3 Mexico: STEL 250 ppm Mexico: STEL 760 mg/m3
METHANOL		Mexico: TWA 200 ppm Mexico: TWA 260 mg/m3 Mexico: STEL 250 ppm Mexico: STEL 310 mg/m3

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.

16. OTHER INFORMATION

Prepared by: Technical Manager

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be applicable.

END OF MSDS