



SuperGlaze VOC

Moisture Cure Urethane

MATERIAL SAFETY DATA SHEET

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Effective: August 01, 2000

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: SuperGlaze VOC
Identification Number: ss3000 Date Printed: 12/05/99
Product Use/Class: Coating

Manufacturer/Supplier: Concrete Coatings Inc.
PO Box 150071
Ogden, UT 84415
1-800-443-2871

Prepared by: Troy Harris, Technical Director
Emergency: Chemtrec 1-800-424-9300

Hazard Rating	Scale	
Toxicity	2	4 = Extreme
Flammability	3	3 = High
Reactivity	0	2 = Moderate
Special	0	1 = Slight
		0 = Insignificant

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components Chemical & Common Names	CAS No.	Percent By Weight	OSHA PEL	OSHA STEL	ACGIH STEL	ACGIH TLV
Xylene	1330-20-7	20	100 ppm	100 ppm	150 ppm	100 ppm
Ethyl Benzene	100-41-4	5	100 ppm	125 ppm	125 ppm	100 ppm
1,3-Butylene Glycol	107-88-0	5	N/A	N/A	N/A	N/A
Isophorone Diisocyanate	4098-71-9	<1	.02 mg/m ³	N/A	N/A	0.005 ppm
Ethyl-3-ethoxy propionate	763-69-9	15	N/A	N/A	N/A	N/A

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Range: 222 - 406 F °
Specific Gravity (Water = 1): .98
Vapor Pressure (mm Hg): N/D
Vapor Density (Air = 1): Heavier than air
Solubility in Water: Slight <0.1%
Evaporation Rate
(Butyl Acetate=1) Faster than Butyl Acetate
Appearance & Odor Clear liquid with strong solvent odor
PH: N/D
Viscosity N/D

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: Closed Cup: 96 ° F / 31 ° C
Flammable Limits: Lower Explosive Limit: 1.0
Upper Explosive Limit: 6.7



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Extinguishing Media:
Unusual Fire/Explosion
Hazards:

Co2 dry chemical water fog

Fire produces irritating or poisonous gas. Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. Solid stream of water or foam may cause frothing.

Special Firefighting
Procedures:

May be ignited by heat, sparks or flame. Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 5 – REACTIVITY DATA

Stability:

Stable under normal storage conditions

Conditions to avoid:

Sources of ignition. Long term exposure to elevated temperatures.

Incompatible with:

Avoid contact with oxidizing material. Contact with water vapor.

Hazardous decomposition
products:

Oxides of carbon. Potential peroxide former. If peroxide formation is suspected, do not open or move container.

Hazardous polymerization:

Will not occur.

SECTION 6 HEALTH HAZARD DATA

Components

Xylene:	Oral LD50	Rat	4,300 mg/kg
	Inhalation LC50	Rat	5,000 ppm/4-hours
Ethyl Benzene	Oral LD50	Rat	3,500 mg/kg
	Dermal LD50	Rabbit	17,800 mg/kg

Effects of Overexposure:

CHRONIC HAZARDS: Chronic overexposure may cause lung damage. Chronic overexposure to xylene may cause damage to the form elements of blood [e.g., red cells, which carry oxygen]. Reports indicate that repeated and prolonged overexposure of the eyes to xylene vapor may cause corneal injury. No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") may be harmful or fatal. Preexisting respiratory or skin condition(s) may be aggravated by exposure. This product contains an isocyanate. Persons with a history of exposure to isocyanates may



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experience reddening, swelling, rash or blisters. Such individuals could also experience chemical asthma, and nonspecific asthmatic conditions.

PRIMARY ROUTE(S) OF ENTRY: INGESTION INHALATION SKIN CONTACT EYE CONTACT

Emergency and First Aid Procedures

- Skin and Eye Contact:** Flush affected area with large amounts of water for at least 15 minutes and contact physician., If irritation persists, wash affected skin area with soap and warm water. DO NOT USE SOLVENTS TO REMOVE FROM SKIN
- Inhalation:** Move individual to fresh air immediately if symptoms occur. If breathing becomes difficult, administer oxygen, and consult physician immediately. If breathing has stopped, apply applicable CPR procedures and contact physician immediately.
- Ingestion:** If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomit into lungs.

SECTION 7 – SPILL OR LEAK PROCEDURES

- If Material Spills or Leaks:** Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches that lead to waterways.
- Waste Disposal:** Empty containers may contain product residue and may still be hazardous. Dispose of in accordance with local, state and federal regulations.

SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION

- Respiratory Protection** Wear MSHA/NIOSH approved respirator suitable for concentrated organic vapors. In extreme concentrations (Not recommended) wear air supplied breathing Apparatus.
- Ventilation:** Due to solvent vapors, this product is not ideal for indoor use. Provide adequate local ventilation. Provide spark resistant mechanical ventilation as necessary to evacuate fumes.
- Protective Equipment:** Wear solvent resistant neoprene rubber gloves, safety glasses with splash guards or side shields, chemical goggles, or face shields.
- Other Equipment and Practices:** Standard painting clothing is suitable. Do not take internally. Wash thoroughly after handling. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.
- Special Precautions for Handling and Storage:** Use only in a well ventilated area. Keep out of reach of children. May be ignited by static charges. Ground and bond containers when transferring material. Do not



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store in direct sunlight. Keep away from heat, sparks and flame. Keep container closed when not in use.

SECTION 9 – SHIPPING INFORMATION

DOT Shipping Name: Resin Solution
UN/NA Id #: Un1866
Dot Hazard Class: 3
DOT Label: Flammable Liquid
Packaging Group: III

SECTION 10 – REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
Ethyl benzene	100-41-4	5.0 %
Xylene	1330-20-7	20.0 %
Isophorone diisocyanate	4098-71-9	<1.0 %

TOXIC SUBSTANCES CONTROL ACT:

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

CHEMICAL NAME ----- CAS NUMBER

Toluene 108-88-3

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY: A bulletin such as this cannot be expected to cover all possible situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where precautions – in addition to those described herein are required. Although the information contained herein is based on data considered to be accurate, all materials present unknown health hazards, and should be used with caution and by properly trained personnel. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any health hazard and safety information should be passed onto your customers or employees, as the case may be. Final suitability of the chemical for each circumstance is the sole responsibility of the end user. No representation or warranties either expressed or implied, of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein, or the chemical to which the information refers. It is the sole responsibility of the end user to comply with all applicable federal, state and local laws and regulations. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed.