



UV Shield

Epoxy Topcoat Resurfacer

MATERIAL SAFETY DATA SHEET

Page 1 of 4
Effective: August 01, 2004

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: UV Shield
Modified Bisphenol A
Epichlorohydrin Based
Epoxy Resin

Chemical Family: Aliphatic Amines

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
	A	B
Toxicity	2	2
Flammability	2	2
Reactivity	0	0
PPE	B	B
		4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Component(s) (Chemical & common Name(s))	CAS No.	OSHA		LD 50	LC 50
		TWA	PEL	Oral	Inhalation
Component A					
Bisphenol A Epoxy Resin	25068-36-6	N/A	N/A	11.4 g/kg (Rats)	No Deaths (2)
Butyl Glycidyl Ether	2426-08-6	25 ppm	N/A	2.26 g/kg (Rats)	1030 ppm (Rats)
Component B					
Triethylenetetramine <7.0	112-24-3	N/A	N/A	N/A	N/A
Benzyl Alcohol >12.0	100-51-6	N/A	N/A	N/A	N/A
The remaining components are trade secret					

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	<u>A</u> N/A	<u>B</u> >177°C (>350°F)
Specific Gravity (Water = 1):	1.13	1.00
Vapor Pressure (mm Hg):	N/A	<3.00 (mm/hg at 21°C/ 70°F)
Vapor Density (Air = 1):	N/A	N/A
Solubility in Water:	Negligible	Slight (0.2 – 2%)
Melting Point:	N/A	N/A
Appearance & Odor	Clear to amber liquid, with slight aromatic and irritating odor.	Amber to dark color liquid, with mild ammoniacal odor



UV Shield Epoxy Topcoat Resurfacer

MATERIAL SAFETY DATA SHEET

Page 2 of 4
Effective: August 01, 2004

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point:	A 166°F (74°C) Seta Flash-Closed Cup	B >275°C (244°F)
Flammable Limits:	LEL: N/A UEL: N/A	LEL: N/A UEL: N/A
Extinguishing Media:	Water fog, foam, dry chemical or Co2.	
Special Fire Fighting Procedures:	Material will not burn unless preheated. Firefighters should wear full bunker gear which should include Butyl Rubber boots, gloves, helmet with face shield, body suit and a self-contained breathing apparatus. Cool exposed containers with H2O	
Unusual Fire/Explosion Hazards:	SEE SECTION 5	

SECTION 5 - REACTIVITY DATA

Stability:	Stable	
Conditions to avoid:	A	Strong acids, strong Lewis acids or mineral acids, and strong mineral and organic bases-especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat. Run-a-way cure reactions may char and decompose the resin system, generating unidentified fumes and vapors which may be toxic
	B	Generating unidentified fumes and vapors which may be toxic and irritating combustion products. Sudden reaction and fire may result if product mixed with an oxidizing agent.
Hazardous decomposition products:	A	Carbon monoxide, Aldehydes, Acids, and other organic substances may be formed during combustion or elevated (5000°F/ 260°C) with temperature degradation.
	B	Carbon monoxide gas, toxic nitrogen oxide gases, and ammonia gas may be generated.
Hazardous polymerization:	Will not occur.	

SECTION 6 HEALTH HAZARD DATA

Inhalation:	Inhalation of mist or vapor can cause irritation of upper respiratory tract.
Skin Contact:	Direct or repeated skin contact can cause slight skin irritation, flaking, and softening of skin. Contact with product at elevated temperatures can result in thermal burns.
Eye Contact:	Direct contact to eyes can cause irritation, tearing, swelling, and possible burning sensation. Contact with product at elevated temperatures can result in thermal burns.



UV Shield

Epoxy Topcoat Resurfacer

MATERIAL SAFETY DATA SHEET

Page 3 of 4
Effective: August 01, 2004

Emergency and First Aid Procedures

- Eyes:** Flush eyes with water for 15 minutes. Consult physician if irritation persists.
- Skin:** Remove contaminated clothing / shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.
- Inhalation:** Move victim to fresh air.
- Ingestion:** **A** Do not induce vomiting. Call physician immediately
B Call physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel.
- NOTE TO PHYSICIAN:** In general, emesis induction is unnecessary in high viscosity, low volatility products, e.g...neat epoxy resins.

SECTION 7 – SPILL OR LEAK PROCEDURES

- If Material Spills or Leaks:** Absorb material with inert media and dispose of in a chemical-waste container. Keep away from Municipal sewers, lakes, or streams.
- Waste Disposal:** Container is considered empty when 3% or less remains. Additional special handling is not required. Container may be discarded other non-hazardous trash. Dispose of in accordance with local, state and federal regulations.

SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION

- Respiratory Protection** Do not breath fumes. Heating This Product Above 300⁰F (149⁰C) In The Presence of Air May Cause Slow Oxidative Decomposition, and Above 500⁰F (260⁰C) Polymerization May Occur. Fumes and Vapors From These Thermal and Chemical Decompositions Vary Widely in Composition and Toxicity
- Protective Equipment:** Impervious gloves, neoprene or rubber; safety glasses with splash guards or side shields, chemical goggles, or face shields.
- Other Equipment and Practices:** Standard painting clothing is suitable.
- Special Precautions for Handling and Storage:** Store in a cool, dry place. Keep from freezing, material may coagulate. Keep Away From Open Flames and High Temperatures



UV Shield

Epoxy Topcoat Resurfacer

MATERIAL SAFETY DATA SHEET

Page 4 of 4
Effective: August 01, 2004

SECTION 9 - SHIPPING INFORMATION

DOT Shipping Name: N/A
DOT Hazard Class: N/A
DOT Reportable Quantity: N/A

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.