



# SAFETY DATA SHEETS

Elastathane UV

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ELASTATHANE UV

MANUFACTURER: The Concrete Protector® ADDRESS: 1101 Lincoln Ave, Wapakoneta, OH 45895

INFORMATION PHONE: 567-297-3700 EMERGENCY PHONE: 800-424-9300

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	UNITS	ACGIH TLV	OSHA STEL
Polyurethane Prepolymer	53170-03-9	53-98%	N/A	N/A
Dicyclohexylmethane 4,4 Diisocyanate	5124-30-1	13-24%	N/A	N/A

SECTION 2 NOTES: \*Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

## SECTION 3: HAZARDOUS IDENTIFICATION

Health	Flammability	Reactivity	Personal Protective Equipment
3	2	1	H

### HEALTH

*H330-Fatal if inhaled. H319- Causes serious eye irritation. H334- May cause allergy or asthma.*

*H315- Causes skin irritation. H317- May cause an allergic skin reaction. H335- May cause respiratory irritation.*

### GENERAL

*P101-If medical is needed have product container on hand. P102-Keep out of reach of children. P103-Read label before use.*

### PREVENTION

*P273-Avoid release to the environment. P260-Do not breath dust/fume/gas/mist. P280-Wear protective gloves/protective clothing/eye protection. P264-Wash thoroughly after handling. P261-Avoid breathing dust/fume/gas/mist. P284- In case of inadequate ventilator wear respiratory protection. P272-Contaminated work clothing should not be allowed. P260-Do not breathe dust. P271-Use only outdoors or in a well-ventilated area. P233-Keep container tightly closed.*

### RESPONSE

*P308-If exposed or concerned. P313-Get medical attention. P305-If in eyes, P351-rinse cautiously with water for several minutes, P338-remove contact lenses,if present and easy to do. P304-IF INHALED, P340-Remove person to fresh air and keep comfortable for breathing, P342-If experiencing respiratory symptoms, P311-Call a poison control center. P302-IF ON SKIN, P352-Wash with plenty of water, P321-Specific treatment, P332-If skin irritation occurs, take off contaminated clothing, P364-And wash it before reuse, P333-If skin rash occurs get medical attention. P312-Call a poison control center/doctor if you feel unwell.*

### STORAGE

*P405- Store locked up. P403-Store in a well-ventilated place.*

### ENVIRONMENTAL:

*H402-Harmful to aquatic life. H412-Harmful to aquatic life with long lasting effects.*

## SECTION 4: FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical help

**SKIN:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**INHALATION:** If any breathing problems occur during use. LEAVE THE AREA and get fresh air. If problems remain or occur later IMMEDIATELY get medical attention.

**INGESTION:** Induce vomiting only if large amounts of material are ingested, and otherwise do not induce vomiting. In either case consult with a physician.

## SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	METHOD USED
200C	N/A	N/A	TCC

### **EXTINGUISHING MEDIA**

Dry chemical foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials.

### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Vapors may accumulate and travel to ignition sources distant from the handling site, flash fire can occur.

### **SPECIAL FIRE FIGHTING PROCEDURES**

Do not enter confined area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

> Scoop up or vacuum into a container for reclamation or disposal avoid dusting.

## SECTION 7: HANDLING AND STORAGE

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Store in a cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain hazards of all the components therefore, read the MSDS's of all the components prior to using material. Properly label all containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **VENTILATION**

Local exhaust preferable. General exhaust acceptable, of the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA standards 1910.94, 1910.107, and 1910.108

### **RESPIRATORY PROTECTION**

Use appropriate respirator.

### **PROTECTIVE GLOVES**

To prevent skin contact, wear gloves, which are recommended for protection.

### **EYE PROTECTION**

Wear safety spectacles with unperforated side shields.

### **OTHER PROTECTIVE EQUIPMENT**

Use barrier cream on exposed skin

### **OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating or inhaling can be harmful or fatal.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Specific Gravity:** 1.03

**Boiling Point:** N/A

**Evaporation Rate:** Slower than ether

**Vapor Density:** Heavier than air

**Solubility in H2O:** Reacts slowly

## SECTION 10: STABILITY AND REACTIVITY

### **STABILITY- STABLE**

### **CONDITIONS TO AVOID**

Heat, high temperature, open flame, sparks, and moisture.

### **INCOMPATIBILITY**

Any material containing active hydrogens, such as water, alcohol, ammonia, amines, alkalis and acids. Strong oxidizing agents.

### **HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon oxides and traces of incomplete carbon compounds, silicon dioxide, metal oxides and formaldehyde.

### **HAZARDOUS POLYMERIZATION**

Will not occur

## SECTION 11: DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Dispose of the material in a waste disposal site in accordance with local, state and federal law.

## SECTION 12: DISCLAIMER

### DISCLAIMER

The information contained herein is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

## SECTION 13: TRANSPORTATION INFORMATION

### US DOT INFORMATION, IMDG INFORMATION, IATA INFORMATION

Isocyanates, Toxic, n.o.s Dicyclohexylmethane 4,4 Diisocyanate UN# 2206 Hazard Class 6.1 Packing Group III Placard TOXIC

## SECTION 14: TOXICOLOGY INFORMATION

### SKIN CORROSION:

Isocyanates react with skin protein and moisture and can cause irritation. Prolonged contact can cause reddening, swelling, rash, scaling, blistering, and in some cases, skin sensitization. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material.

### SERIOUS EYE DAMAGE/IRRITATION:

Liquid, aerosols or vapors are severely irritating and can cause pain, tearing, reddening and swelling.

### CARCINOGENICITY:

No data available

### RESPIRATORY/SKIN SENSITIZATION:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

### SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:

No data available

### SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:

No data available

### DICYCLOHEXYLMETHANE 4,4 DIISOCYANATE

LC50 (RAT) 295-307 mg/m<sup>3</sup> LD50 (ORAL,RAT) greater than 9,900 mg/kg LD50 (DERMAL,RABBIT) greater than 11,000 mg/kg LD50 (ORAL,MOUSE) 2,200 mg/kg

## SECTION 15: REGULATORY INFORMATION

68092-58-0	Polyurethane Prepolymer	52-96%	DSL, SARA312, TSCA
101-68-8	4,4 Methylenediphenyl Diisocyanate	13-24%	DSL, CERCLA, HAPS, SARA313, VHAPS, VOC, TSCA