



SAFETY DATA SHEETS

Elastathane AR

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ELASTATHANE AR

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	68092-58-0	52-96%	N/A	N/A
4,4 Methylene-diphenyl Diisocyanate	101-68-8	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
H351- Suspected of causing cancer H319- Causes serious eye irritation. H334- May cause allergy or asthma. H315- Causes skin irritation. H317- May cause an allergic skin reaction. H373- May cause damage to organs through prolonged or repeated exposure. 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
P201-Obtain special instructions before use. P202-Do not handle until all safety precautions have been read. 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.

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 laundry 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
200F	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: 1.07

Boiling Point: 400F

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

Not regulated

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:

Suspected of causing cancer.

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:

May cause respiratory irritation

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:

May cause damage to organs through prolonged or repeated exposure.

4,4 METHYLENEDIPHENYL DIISOCYANATE

LC50 (RAT) 369-490 mg/m³ LC50 (RAT) 178mg/m³ LD50 (ORAL,RAT) greater than 10,000 mg/kg LD50 (DERMAL,RABBIT) greater than 10,000 mg/kg
LD50 (ORAL,MOUSE) 2,200 mg/kg

SECTION 15: REGULATORY INFORMATION

CAS	CHEMICAL NAME	% BY WEIGHT	REGULATION LIST
68092-58-0	Polyurethane Prepolymer	52-96%	DSL, SARA312, TSCA
101-68-8	4,4 Methylene diphenyl Diisocyanate	13-24%	DSL, CERCLA, HAPS, SARA313, VHAPS, VOC, TSCA