

Date Prepared: 9/18/02
Supersedes: 08/01/01
Product Name: Durastone 140 (Part A-Resin)

ChemMasters

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: Durastone 140 (Part A-Resin)
Product Description: 3-Component 100% Solid Epoxy Topping

ChemMasters
300 Edwards Street
Madison, Ohio 44057
440-428-2105

In Case of Emergency Contact:
CHEMTREC 800/424-9300

2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA(PEL/TWA)	ACGIH (TLV/TWA)	OTHER	
Bisphenol A - Epoxy Resin	25068-38-6	NE	NE	—	65-70
Benzyl Alcohol	100-51-6	NE	NE	—	15-20
2-Ethylhexyl Glycidyl Ether	2461-15-6	NE	NE	---	10

3. Hazards Identification

CAUTION

Causes eye and skin irritation
May cause allergic skin reaction

Potential Health Hazards - Acute

Eye: Causes eye irritation due to direct contact with resin.

Skin: Single exposure is not likely to result in harm. Repeated exposure may cause allergic reaction which can be severe in certain individuals.

Inhalation: Highly unlikely.

Ingestion: Not likely to happen in course of normal use.

Potential Health Effects - Chronic

Carcinogenicity:

NTP
No

IARC Monographs
No

OSHA Regulated
No

4. First Aid Measures

Eye: Immediately flush with plenty of water for at least 15 minutes.

Skin: Flush immediately with plenty of water while removing contaminated clothing.

Inhalation: Remove to fresh air.

Ingestion: Practically nontoxic when taken orally.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

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5. Fire Fighting Measures

Flash Point (method used): >210°F (TCC)

Flammable Limits (% volume in air): **Lower** = Not applicable

Upper = Not applicable

Auto Ignition Temperature: Not applicable

Extinguishing Media: Appropriate for surrounding fire.

Hazard Combustion Products: Thermal decomposition of the resin portion may release toxic fumes.

Fire Fighting Instructions: Do not enter confined space without full bunker gear including a positive pressure, NIOSH approved, self contained breathing apparatus.

6. Accidental Release Measures

Spill: Scoop up material, then place in chemical waste container for later disposal. Flush area with water.

7. Handling and Storage

Handling: Use with adequate ventilation. Avoid contact with skin and eyes. Always use good industrial hygiene practices and safety guidelines when dealing with this potentially hazardous product.

Storage: Keep containers tightly closed and store in a dry, well ventilated area.

8. Exposure Controls / Personal Protection

Exposure Controls: A source of clean water should be available for flushing eyes and skin.

Personal Protection: Protective clothing, chemical splash goggles and rubber gloves when mixing and applying this product. When grinding or abrasive cleaning of cured film, a NIOSH approved respirator should be worn.

9. Physical and Chemical Properties

Appearance: Amber liquid unless pigmented

Odor: Mild odor to odorless

Boiling Point: Not applicable

Melting Point: Not applicable

Vapor Pressure (mm/Hg): Not applicable

Vapor Density (Air = 1): Not applicable

Solubility in Water: Insoluble

Specific Gravity (H₂O = 1): 1.15

Evaporation Rate (n-Butyl Acetate = 1): Not applicable

10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Excessive heat

Incompatibility (materials to avoid): Contamination with strong acids, bases, amines or oxidizing agents.

Hazardous Decomposition or By-products: Thermal decomposition may yield carbon monoxide, carbon dioxide and/or phenolic derivatives.

Hazardous Polymerization: Will not occur

11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Bisphenol A - Epoxy Resin	>2 g/kg	>20 g/kg	—
Benzyl Alcohol	1230 mg/kg	2000 mg/kg	1000 ppm/8 hours

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12. Ecological Information

No data available

13. Disposal Considerations

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area.

Does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

14. Transportation Information

For U S National Shipments:

Shipping Description: Non regulated

Emergency Response Guide Number: Not applicable

Hazard Class: Not applicable

15. Regulatory Information

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)

CERCLA Reportable Quantity: Not applicable

SARA Title III:

Section 311/312 hazard categories: acute health

Section 313 reportable ingredients:

Components	CAS #	Maximum %
Not applicable	—	—

16. Other Information

MSDS Status: Revised entire

Industrial Abbreviation Legend on page 4 of this MSDS.

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Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m ³	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

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