

Date Prepared: 04/10/10
Supersedes: 02/03/07
Product Name: Duraguard 120 (Part A-Resin)

ChemMasters

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: Duraguard 120 (Part A-Resin)
Product Description: 2-Component 100% Solids Epoxy Coating System

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

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

2. Hazards Identification

WARNING

Causes eye and/or respiratory irritation
Causes skin irritation and/or allergic skin reaction

WHMIS Classification: D2B, (Toxic) **Symbol:** Stylized T

Potential Health Hazards - Acute

Eye: Direct contact causes irritation with possible injury which may be slow to heal.

Skin: Causes irritation. Sensitizer — may cause allergic reaction which can be severe in certain individuals.

Inhalation: May cause headaches, nausea, dizziness and respiratory irritation.

Ingestion: No specific information available. Moderately toxic. May cause gastrointestinal irritation.

Potential Health Effects - Chronic

Overexposure may cause CNS depression. Oral administration of butyl benzyl phthalate have shown blood disorders in test animals. NTP concluded "probably carcinogenic" for these rats.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	NO	NO	NO

3. 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	—	—	—	45%
Butyl benzyl phthalate	85-68-7	—	—	5 mg/m ³ *	6%
Benzyl Alcohol	100-51-6	—	—	—	5%

* standard set for similar diakyl phthalate esters

4. First Aid Measures

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

Skin: Flush immediately with plenty of soap and water for at least 15 minutes while removing contaminated clothing.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting. Give victim a glass of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

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5. Fire Fighting Measures

Flash Point (method used): >200°F (Setaflash)

Flammable Limits (% volume in air): **Lower** = No data available **Upper** = No data available

Auto Ignition Temperature: No data available

Extinguishing Media: Dry chemicals, CO₂, Halon, water spray or foam.

Hazard Combustion Products: Carbon dioxide and/or carbon monoxide.

Fire Fighting Instructions: Remove all ignition sources. Wear self contained breathing apparatus and complete personal protective equipment when entering confined areas where potential exposure to vapors or products of combustion exists.

6. Accidental Release Measures

Spill: Absorb with inert material, then place in chemical waste container for later disposal. Flush area with water. Prevent washings from entering waterways.

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: Mechanical exhaust should be used. A source of clean water should be available for flushing eyes and skin.

Personal Protection: Protective clothing, chemical splash goggles, rubber gloves and a vapor respirator when TLV is exceeded.

9. Physical and Chemical Properties

Appearance: Clear or pigmented liquid of high viscosity

Odor: Mild odor

Boiling Point: No data available

Melting Point: Not applicable

Vapor Pressure (mm/Hg): No data available

Vapor Density (Air = 1): No data available

Solubility in Water: Negligible (<5%)

Specific Gravity (H₂O = 1): 1.50

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 mercaptans.

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

Hazardous Polymerization: Will not occur

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11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Bisphenol A - Epoxy Resin	>2 g/kg	>20 g/kg	—
Butyl benzyl phthalate	20400 mg/kg	>10000 mg/kg	6.7 mg/l/4 hours
Benzyl Alcohol	1230 mg/kg	2000 mg/kg	1000 ppm/8 hours

12. Ecological Information

Possible land, air and water pollutant. No exact data available. Butyl benzyl phthalate is classed as a marine pollutant.

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: 1,658 pounds or 132 gal is the reportable quantity for this product due to the Butyl benzyl phthalate which has a R.Q. of 100 pounds

SARA Title III:

Section 311/312 hazard categories: acute health

Section 313 reportable ingredients:

Components	CAS #	Maximum %
Butyl benzyl phthalate	85-68-7	6 %

16. Other Information

MSDS Status: Revised 4/10/10

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

THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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