

ChemMasters

Material Safety Data Sheet

Date Prepared: 6/1/98
Supersedes: All Previous
Product Name: Duraguard 220 (Part A-Resin)

1. Chemical Product and Company Information

Product Name: Duraguard 220 (Part A-Resin)

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 F - Epoxy Resin	39817-09-9	—	—	—	95%
Benzyl Alcohol	100-51-6	—	—	—	5%

3. Hazards Identification

WARNING

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

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.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	NO	NO	NO

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 and aldehydes.

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 suitable for organic vapors, if required.

9. Physical and Chemical Properties

Appearance: Clear liquid

Odor: Mild odor

Boiling Point: >200°C

Melting Point: Not applicable

Vapor Pressure (mm/Hg): <0.001 @ 20°C

Vapor Density (Air = 1): No data available

Solubility in Water: Insoluble

Specific Gravity (H₂O = 1): 1.10

Evaporation Rate (n-Butyl Acetate = 1): No data available

10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Excessive heat

Incompatibility (materials to avoid): Contamination with strong oxidizing agents.

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

Hazardous Polymerization: Will not occur

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11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Bisphenol F - Epoxy Resin	>5000 mg/kg	>6000 mg/kg	—
Benzyl Alcohol	1230 mg/kg	2000 mg/kg	1000 ppm/8 hours

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

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

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