

Date Prepared: 08/19/02
Supersedes: 08/01/01
Product Name: Duraguard 110 (Part B-Hardener)

ChemMasters

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: Duraguard 110 (Part B-Hardener)

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	
Polyamide	Mixture	NE	NE	—	45-50%
Aromatic Hydrocarbon	64742-95-6	—	—	—	50%

3. Hazards Identification

Warning! Combustible Liquid, Corrosive
Causes eye and lung irritation
Causes skin irritation and/or allergic skin reaction
Harmful if inhaled
Harmful if swallowed

Potential Health Hazards - Acute

Eye: Causes irritation. Direct contact with the liquid or exposure to its vapors may cause burning, tearing, redness and/or injury which may be slow to heal.

Skin: May cause irritation. Prolonged or repeated exposure may cause redness and burning, drying and cracking of the skin and dermatitis. Persons with preexisting skin disorders may be more susceptible to the affects of this material. May cause sensitization and/or allergic reactions.

Inhalation: Excessive concentrations of vapors and mists may cause irritation of the nose and throat and signs of nervous system depression.

Ingestion: Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. May result in vomiting. Aspiration of vomitus into the lungs must be avoided as even a small quantities may result in aspiration pneumonitis.

Potential Health Effects - Chronic

Contains solvents which are reported to be associated with kidney, lung, liver and blood cell damage. See Section 11 for further information.

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: Remove contaminated clothing. Clean affected area with soap and water. Flush immediately with plenty of water for at least 15 minutes.

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

Ingestion: Seek medical attention! Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

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5. Fire Fighting Measures

Flash Point (method used): 130°F (Setaflash)

Flammable Limits (% volume in air): **Lower** = 1.3 **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, carbon monoxide and/or oxides of nitrogen.

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. Cool containers exposed to fire with water.

6. Accidental Release Measures

Spill: Remove all ignition sources. Absorb with inert material, then place in chemical waste container for later disposal. Prevent spills from entering waterways.

7. Handling and Storage

Handling: Use with adequate ventilation. Avoid contact with skin and eyes. Keep liquid away from heat, sparks and flame. Empty containers contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near empty containers. Always use good industrial hygiene practices and safety guidelines when dealing with this potentially hazardous product.

Storage: Keep containers closed and store in a cool, 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: NIOSH approved organic solvent respirator. Protective clothing, chemical splash goggles and impervious, rubber gloves.

9. Physical and Chemical Properties

Appearance: Yellow liquid of low viscosity.

Odor: Mild solvent and ammoniacal odor

Boiling Point: >303°F

Melting Point: Not applicable

Vapor Pressure (mm/Hg): <4.4

Vapor Density (Air = 1): >1

Solubility in Water: Soluble

Specific Gravity (H₂O = 1): 1.04

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

10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Heat, sparks and flame

Incompatibility (materials to avoid): Contamination with strong acids, bases, amines and mercaptans. Can cause polymerization.

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

Hazardous Polymerization: Will not occur

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11. Toxicological Information

Components

See Section 3

Oral LD50
(rat)

Dermal LD50
(rabbit)

Inhalation LC50
(rat)

12. Ecological Information

No exact data available; possible land, air and water pollutant

13. Disposal Considerations

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

Under RCRA 40 CFR 261 this material is hazardous waste number D001.

14. Transportation Information

For U S National Shipments < 119 gal containers: Not Regulated

For U S National Shipments ≥ 119 gal containers:

Shipping Description: Paint, Combustible Liquid, UN1263, III

Hazard Class: Combustible Liquid

For Air and International Shipments:

Paint, 3, UN1263, III

Hazard Class: Flammable Liquid

Emergency Response Guide Number: 128

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, delayed health, fire

Section 313 reportable ingredients:

Components	CAS #	Maximum %
1, 2, 4 Trimethylbenzene	95-63-6	16.0%
Xylene	1330-20-7	1.5 %

16. Other Information

MSDS Status: Revised Section 14, Transportation Information
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

The information contained herein is given in good faith and based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. ChemMasters assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material.

Such vendees or users assume all risks associated with the use of the material.