

SAFETY DATA SHEET



Issue Date: July 10, 2017

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Version: 2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duraguard 100 Part B

Other Means of Identification

SDS #: F5031B

Recommended Use: Epoxy Coating

Restrictions on Use: No Data

Supplier of the Safety Data Sheet including Address:

ChemMasters Inc.
300 Edwards Street
Madison, OH 44057

Telephone Numbers

Company Phone Number

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

Emergency Telephone: ChemTrec 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Suspected of damaging fertility or the unborn child, causes severe skin burns and eye damage, harmful if swallowed, inhaled or in contact with skin, may cause an allergic skin reaction, may cause respiratory irritation, harmful to aquatic life with long lasting effects.

GHS Classification:

Acute Toxicity – Oral – Category 4

Acute Toxicity – Inhalation – Category 4

Acute Toxicity – Dermal – Category 4

Skin Corrosion/Irritation – Category 1B

Specific Target Organ Toxicity (Single Exposure) - Category 3

Sensitization – Skin – Category 1

Reproductive Toxicity – Category 2

Hazardous to the Aquatic Environment – Long-Term (Chronic) Hazard - Category 3

Label Elements, including precautionary statements

Pictograms:



Signal Word: Danger

Hazard Statements:

- H302 Harmful if swallowed
- H332 Harmful if inhaled
- H312 Harmful in contact with skin
- H314 Causes severe skin burns and eye damage
- H335 May cause respiratory irritation
- H317 May cause an allergic skin reaction
- H361 Suspected of damaging fertility or the unborn child
- H412 Harmful to aquatic life with long lasting effects

Precautionary Statement(s)**Prevention:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately Call a POISON CENTER/doctor.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 Immediately call a POISON CENTER/doctor.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water or shower.
- P363 Wash all contaminated clothing before reuse.
- P310 Immediately Call a POISON CENTER/doctor.
- P304+P340+P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
- P333+P313 If skin irritation or rash occurs: Get medical advice or attention.
- P308+P313 IF exposed or concerned: Get medical advice/attention.

- Storage:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store Locked Up

Disposal: P501 Dispose of contents/container in accordance with local/regional/national regulations.

Hazards not otherwise classified: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

Polyamido Amine	CAS#: 68953-36-6	25-50%
Isophorone Diamine	CAS#: 2855-13-2	15-30%
Benzyl Alcohol	CAS#: 100-51-6	15-30%
Salicylic Acid	CAS#: 69-72-7	<5%
2,2'-iminodiethylamine	CAS#: 111-40-0	0-5%
3,6,9-triazaundecamethylenediamine	CAS#: 112-57-2	0-5%
Aminoethylpiperazine	CAS#: 104-31-8	0-5%
Bisphenol A	CAS#: 80-05-7	0-3%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion: IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately call a POISON CENTER/doctor.

Skin Contact: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash off with plenty of soap and water. If skin irritation or rash occurs: Get medical advice or attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Material is not combustible. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for the surrounding fire.

Specific Hazards Arising from the Chemical

No specific data available.

Hazardous Combustion Products

Oxides of Carbon and Nitrogen

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and full protective gear for firefighting.

Further Information

See Section 7 for safe handling and storage.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, soil or waterways.

Methods and Material for Containment and Cleaning Up

Dike and contain spill with inert absorbent materials. Soak up with inert material and keep in suitable, closed containers for disposal. Dispose of in accordance with specified local/regional/national/international regulations for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for Safe Storage, Including any Incompatibilities

General information: Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Safe Storage: Do not store with oxidizing agents. Store away from acids.

Incompatibilities: None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component Exposure Limits

2,2'-iminodiethylamine: TLV 4.2 mg/m³, 1 ppm SKIN

3,6,9-triazaundecamethylenediamine: WEEL 5 mg/m³ SKIN, D-SEN

Benzyl Alcohol: WEEL 10 ppm

Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Use proper protection – Safety Glasses as a minimum

Skin and Body Protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State

Appearance: Liquid

Color: Amber

Odor: Amine

Odor threshold: No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	Not Available	
Melting/Freezing Point	Not Available (0 Degrees C)	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	383 Degrees F (195 Degrees C)	Closed Cup
Flammability Limits	Not Relevant	
Flammability (Solid, gas)	Not Relevant	
Initial Boiling Point/Boiling Range	392 Degrees F (200 Degrees C)	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	0.99 g/cm ³	Density: 8.25 lb./gal. +/- 0.1

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Possibility of Hazardous Reactions: Product reacts with peroxides and other radical forming substances. Product reacts with oxidizing agents and acids.

Conditions to Avoid: Keep away from heat. Keep from Freezing

Incompatible Materials: None Known

Hazardous Decomposition Products: Oxides of Carbon and Nitrogen, Ammonia

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin Contact, Eye Contact, Inhalation
(Ingestion is not a likely route of exposure under normal conditions of use.)

Symptoms of Exposure:

Skin: Brief contact with skin may cause skin burns. Symptoms may include pain, severe local redness and tissue damage.

Eye: Contact with eye may cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

Inhalation: Inhalation of vapors or mist may cause irritation of the respiratory system.

Ingestion: Swallowing will lead to a strong caustic effect on the mouth and throat and to the danger of perforation of the esophagus and stomach.

Numerical measures of toxicity:

Ingredient: Aminoethylpiperazine, CAS#: 104-31-8

Acute Toxicity – Oral: LD50 2,140 mg/Kg Rat; Dermal: LD50 866 mg/kg

Ingredient: Isophorone diamine, CAS#: 2855-13-2

Acute Toxicity – Oral: LD50 1,030 mg/Kg Rat; Dermal: LD50 >2000 mg/kg

Ingredient: Benzyl Alcohol CAS#: 100-51-6

Acute Toxicity – Oral: LD50 1,230 mg/Kg Rat; Dermal: LD50 2000 mg/kg Rabbit

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Sensitization: Sensitization is possible through skin contact. Sensitizing effect through inhalation is possible by prolonged exposure.

Reproductive Toxicity: Bisphenol A is suspected of damaging fertility.

Carcinogenicity: Not characterized as a potential carcinogen by IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Eco toxicity:

This product contains materials that are harmful to the environment.

Persistence and Degradability: Not readily biodegradable

Bioaccumulation: No Data Available

Mobility: No Data Available

Other Adverse Effects: No additional information.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: This product is a hazardous waste under RCRA. Dispose of in conformance with all federal, state and local regulations.

Contaminated Packaging: Dispose of as unused material.

14. TRANSPORT INFORMATION

DOT: UN2735, Amines, Liquid, Corrosive N.O.S. (Polyamido Amine and Isophorone Diamine), 8, III

IMDG: UN2735, Amines, Liquid, Corrosive N.O.S. (Polyamido Amine and Isophorone Diamine), 8, III

IATA: UN2735, Amines, Liquid, Corrosive N.O.S. (Polyamido Amine and Isophorone Diamine), 8, III

15. REGULATORY INFORMATION

International Inventories

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

US Federal Regulations

SARA 302: None Known

SARA 311/312 Hazard Categories: Acute Health Hazard, Delayed (Chronic) Health Hazard

SARA 313 Hazard Categories: None Known

CWA (Clean Water Act): None Known

Supplemental State Compliance Information

California:

Warning: This product may contain trace amounts of a chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None Known

Pennsylvania Right To Know:

CAS Number	Component Name
140-31-8	Aminoethylpiperazine

U.S. EPA Label Information: No Data

16. OTHER INFORMATION

HMIS Classification:

Health hazard: 3

Flammability: 1

Physical Hazards: 0

NFPA Rating:

Health hazard: 3

Fire: 1

Reactivity Hazard: 0

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet