

SAFETY DATA SHEET



Issue Date: May 8, 2017

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Version: 2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duraguard 401, Resin

Other Means of Identification

SDS #: F5345 Resin 2017

Recommended Use: Sealer

Restrictions on Use: None

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:

Harmful if swallowed, harmful if Inhaled, harmful in contact with the skin, causes skin irritation, may cause an allergic skin reaction, causes serious eye irritation, may cause respiratory irritation, harmful to aquatic life with long lasting effects.

Target Organs: Respiratory System

GHS Classification:

Acute toxicity, Dermal – Category 4

Acute toxicity, Oral – Category 4

Acute toxicity, Inhalation – Category 4

Eye damage/eye irritation – Category 2A

Skin sensitization – Category 1

Skin irritation – Category 2B

Specific target organ toxicity – single exposure – Category 3, Respiratory System

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

Label Elements, including precautionary statements

Pictograms:



Signal Word: WARNING

Hazard Statements:

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects

Precautionary Statement(s)

Prevention:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- 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.
- P337+P313 If eye irritation persists: Get medical advice or attention.
- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P302+P313 IF ON SKIN: Wash with plenty of water. Get medical advice or attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice or attention.
- P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

Methacrylate Monomer, Reactive Resin Blend CAS#: Proprietary Mixture 96-100%

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 breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

Specific Hazards Arising from the Chemical

Heat can cause hazardous polymerization. Sealed containers can explode in the heat of a fire.

Hazardous Combustion Products

Carbon dioxides, Carbon monoxide, Methacrylate's

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, evacuate the area and remove all ignition sources. Do not expose to heat, flames, or ignition sources. Wear appropriate personal protective equipment during any cleanup and response activities.

Environmental Precautions

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

Methods and Material for Containment and Cleaning Up

Dike and contain spill with vermiculite or other absorbent materials such as polyethylene fiber or polypropylene fiber products and sand. Do not use sawdust or clay-based absorbents (Ex. Absorb-n-dri, Drierite, Millsorb) since they do not sufficiently stabilize the material for safe transport.

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: Store in cool place. Keep container tightly closed in a dry and well ventilated place. Keep away from heat (<95 degrees F/<35 degrees C) and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Safe Storage: This product is stabilized against spontaneous polymerization. However, if the permissible storage time or storage temperature is greatly exceeded then the product may polymerize.

Incompatibilities: Store away from alkaline substances or other materials likely to initiate polymerization such as strong oxidizing and reducing agents and peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component Exposure Limits

This material contains no substances with occupational exposure limit values.

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: Strong

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 Relevant	
Melting/Freezing Point	Not Relevant	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	≥201 Degrees F (>95 Degrees C)	Closed Cup
Flammability Limits	Not Available	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Available	
Decomposition Temperature	Not Available	
Viscosity	<25 cps +/- 15 cps	
Specific Gravity	1.04 +/- 0.01	Density: 8.7 lb./gal. +/- 0.1

10. STABILITY AND REACTIVITY

Chemical Stability:

This product is chemically stabilized against spontaneous polymerization. However, if the permissible storage time or storage temperature is greatly exceeded then the product may polymerize.

Possibility of Hazardous Reactions:

Hazardous polymerization may occur. Polymerization is exothermic and can degenerate into an uncontrolled reaction.

Conditions to Avoid:

Store this product away from heat, alkaline substances or other materials likely to initiate polymerization such as strong oxidizing and reducing agents and peroxides.

Incompatible Materials:

Product is incompatible with Strong oxidizing agents, Strong reducing agents and peroxides.

Hazardous Decomposition Products: Carbon dioxides, Carbon monoxide, methacrylate

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact, Ingestion

Symptoms of Exposure:

Inhalation: Harmful if Inhaled. May cause respiratory irritation

Skin: Harmful if absorbed through the Skin, Skin Irritant may cause allergic skin reaction.

Eyes: Eye Irritant. Product causes serious eye irritation.

Ingestion: Harmful if swallowed

Numerical measures of toxicity:

No data available

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

Carcinogenicity: IARC, ACGIH, NTP, OSHA

No components of this product present at levels greater than or equal to 0.1% is identifies as a carcinogen or potential carcinogen.

Specific target organ toxicity: Single exposure – Category 3, Respiratory System,

May cause respiratory irritation.

12. ECOLOGICAL INFORMATION

Eco toxicity: No Data Available

Persistence and Degradability: No Data Available

Bioaccumulation: No Data Available

Mobility: No Data Available

Other Adverse Effects: This product is expected to be harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: This product is not expected to be 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

D.O.T.: Not a Dangerous Good

I.A.T.A.: Not a Dangerous Good

I.M.D.G.: Not a Dangerous Good

Marine Pollutant: No

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: Reactivity Hazard, Acute Health Hazard

SARA 313 Hazard Categories: None Known

CWA (Clean Water Act): None Known

Supplemental State Compliance Information

California:

Warning: This product contains the following 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.

Benzene, methyl- CAS#: 108-88-3 Trace Amounts

States Right To Know:

Pennsylvania

Acrylic Ester, Proprietary

Methacrylate Monomer, Proprietary

U.S. EPA Label Information: No Data

16. OTHER INFORMATION

HMIS Classification:

Health hazard: 2

Flammability: 1

Physical Hazards: 0

NFPA Rating:

Health hazard: 2

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