1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Trade Name / Product Name: A539-DM
Product Type: Epoxy Resin

Company Address
Addison Clear Wave Coatings, Inc.
3555 Legacy Blvd
St. Charles, IL 60174 USA

Contact Information
Telephone: +1 630 444 1658
Medical Emergency Telephone number
Poison Control Center: +1 800 222 1222

www.addisoncw.com

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING: MAY CAUSE ALLERGIC SKIN REACTION
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACK IRRITATION
MAY BE HARMFUL IF SWALLOWED

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

HMIS

| HEALTH: | 1 |
| FLAMMABILITY: | 1 |
| REACTIVITY: | 1 |
| PROTECTIVE: | B |

Hazard Rating: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal, B = Gloves and Eye protection

GHS Hazard Pictograms:

Hazard Statements
H315 causes skin irritation
H319 causes serious eye irritation
H317 may cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects
Contains epoxy constituents. May produce an allergic reaction

Precautionary Statements

Prevention: Avoid breathing vapors, mist or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

Response: IF ON SKIN: wash with plenty of soap and water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
A539-DM SAFETY DATA SHEET

If skin irritation or rash occurs: Get medical attention. If eye irritation persists: get medical attention

Disposal: Dispose of content and/or container according to Federal, State/ Provincial and local governmental regulations

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910, 1200) and is consistent with the provisions of the United Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>Percentage*</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid epoxy resin</td>
<td>20-80</td>
<td>25085-99-8</td>
</tr>
<tr>
<td>Solid epoxy resin</td>
<td>30-80</td>
<td>25036-25-3</td>
</tr>
<tr>
<td>Antimonate salts in propylene carbonate</td>
<td>0.5-2</td>
<td>108-32-7, 71449-78-0</td>
</tr>
</tbody>
</table>

* Exact percentage is a trade secret. Concentration range is provided to assist users in determining appropriate protection.

4. First Aid Measures

Description of first aid measures

General Information: remove contaminated clothing

Ingestion: Ingestion is unlikely. However, if large quantities are swallowed, get medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Skin contact: Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. Avoid exposure to light sources.

Inhalation: Move affected person to fresh air. In case of asphyxia, initiate artificial respiration immediately. If breathing is difficult, give oxygen. Get medical attention immediately.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Carbon dioxide, extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: water with a full water jet

Hazardous Combustion Products: Thermal decomposition products can include carbon dioxide, carbon monoxide, fire dust and smoke.

Advice for firefighters

Protective equipment: wear self-contained breathing apparatus

6. Accidental Release Measures

Containment Procedures: Stop the flow of material. If this is without risk. Ventilate contaminated area. Do not release material or contaminated water into drains, soil or surface waters, or sewage systems.

Clean-Up Procedures: Wear appropriate protective equipment and clothing. Absorb spillage with non-combustible absorbent materials. Place all waste in an appropriate container for disposal. Dispose of collected material according to regulations.
Evacuation Procedures: Keep unecessary personnel away

Special Procedures: N/A

7. Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.

Storage: Store at 15 to 27 degree C. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Store sealed in original container and out of direct sunlight or other light sources.

8. Exposure controls and personal protection

Exposure Guidelines

General product information: No occupational exposure limits have been established.

Hands: Protect hands with Nitrile or Latex gloves.

Eyes: Eye glasses with side-shield or goggles are required.

Ventilation: general room ventilation is expected in normal usage and storage. Special local ventilation may be needed if used at elevated temperatures.

Other Hygienic and Work Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor:</td>
<td>Sharp</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Less than 10 mm Hg at 27 °C</td>
</tr>
<tr>
<td>pH:</td>
<td>6-7 at 1:1 in water</td>
</tr>
<tr>
<td>Boiling point:</td>
<td>&gt;200 °C</td>
</tr>
<tr>
<td>Melting point:</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>1.1</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>insoluble at 25 °C</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Stability: Stable material under normal conditions of handling, use and transportation

Physical Hazard: Unstable (reactive) upon exposure to heat and/or light

Hazardous decomposition: Oxides of carbon, Oxides of nitrogen, Irritating organic vapors

Incompatibility: Strong oxidizers, bases, acids, reducing agents, free radical initiators

11. Toxicological Information

Acute and chronic toxicity

A: General product information: no data available

B: Component analysis

<table>
<thead>
<tr>
<th>Component</th>
<th>LD&lt;sub&gt;50&lt;/sub&gt; Oral</th>
<th>LD&lt;sub&gt;50&lt;/sub&gt; Dermal</th>
<th>LC&lt;sub&gt;50&lt;/sub&gt; Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid epoxy resin cas#25085-99-8</td>
<td>5000 mg/Kg (rabit: 20,000 mg/Kg (rabbit) &gt; 2 mg/L (rats)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid epoxy resin cas#25036-25-3</td>
<td>5000 mg/Kg (rabit: 20,000 mg/Kg (rabbit) &gt; 2 mg/L (rats)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antimonate salts cas#71449-78-0</td>
<td>&gt;2000 mg/Kg (rabbit: no data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene carbonate cas#108-32-7</td>
<td>29 mg/Kg (rabbit: &gt;20 mg/Kg (rabbits) &gt; 5,000 mg/L (rats)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Carcinogenicity
A: General Product information: None
B: Component Carcinogenicity: None of this product’s components are listed by IARC
Teratogenicity: no
Reproductive toxicity: no
Mutagenicity: no

12. Ecological Information
Ecotoxicity
A: General Product Information: The ecological assessment of this material is based on an evaluation of its components. This product is harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.
B: Component analysis - ecotoxicity - toxic to fish

<table>
<thead>
<tr>
<th>Component</th>
<th>EC_{50} 24 hrs</th>
<th>EC_{50} 48 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimonate salt cas#71449-78-0</td>
<td>4.4 mg/L (Daphnia magna)</td>
<td>0.68 mg/L (Daphnia magna)</td>
</tr>
</tbody>
</table>

13. Disposal Consideration
Incineration or landfill in accordance to local regulations. Contaminated packaging material should be disposed of identically to the product itself. Uncontaminated packaging material should be treated as household waste or as recycling material.

14. Transportation Information

<table>
<thead>
<tr>
<th>Shipping Name</th>
<th>US DOT</th>
<th>RID/ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>IMO</th>
<th>Canada TDG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15. Regulatory Information

US Federal
TSCA: All materials are listed on the TSCA Inventory or are not subject to TSCA requirements
SARA 302 EHS List (40 CFR 355 Appendix A): Not listed
SARA 313: NONE
SARA 312 Hazard Class: Health: Acute - Yes, Chronic - No Fire: No, Sudden release of pressure: No
CERCLA: None

European/International Regulations
Safety, health and environmental regulations/legislation specific for the substance or mixture
Labeling according to Regulation (EC) No 1272/2008
This product is classified and labeled according to the CLP regulation.

Hazard Classification
Danger Symbol: Xi Irritant
Rish phrases: R 36/38 Irritating to eyes and skin
R 43 May cause sensitization by skin contact
R 52/53 Harmful to aquatic organism may cause long term and adverse effects in aquatic environment

Safely Phrases: S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S 28 After contact with skin rinse immediately with plenty of soap and water
S 37/39 Wear suitable gloves and eye/face protection
S 57 Use appropriate containment to avoid environmental contamination

Contains: Antimony compounds
Canadian IDL: None of the ingredients are on this list

WHMIS: Class D2B. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by those regulations.

16. Additional Information

SDS Creation Date: 3/31/2016
SDS Revision No: Ver 3
Reason for revision: Update information for GHS format
For more information: www.addisoncw.com, phone: +1 630 444 1658, fax: +1 630 444 1683
Prepared by Addison Clear Wave Coatings, Inc

DISCLAIMER OF LIABILITY: The data included herein are presented according to Addison Clear Wave's best practices, and made available solely for the consideration of the original recipients. It is the responsibility of the recipient of this data to remain currently aware on chemical hazard information and to comply with all national, federal, state and local regulatory requirements applicable to safety, health and environmental protection.