



**EPOXY ADHESIVE 300-A**

MSDS No.:8300

MSDS Preparation Date: January 8, 2010

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## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : EPOXY ADHESIVE 300-A

**Product Use** : Adhesive

**Chemical Family** : Mixture.

**Supplier's name and address:**

**Rosco Laboratories Inc.**

52 Harbor View Avenue  
 Stamford, CT, United States  
 06902

**24 Hr. Emergency Tel #** : 613-886-6666

**HMIS Rating** : \* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

*Health:* \* 1 *Flammability:* 3 *Reactivity:* 0

**WHMIS Classes:**



FLAMMABLE



POISON



TOXIC

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredients</u> | <u>CAS #</u> | <u>% (weight)</u> | <u>ACGIH TLV</u> |             | <u>OSHA PEL</u>        |                         |
|--------------------|--------------|-------------------|------------------|-------------|------------------------|-------------------------|
|                    |              |                   | <u>TWA</u>       | <u>STEL</u> | <u>PEL</u>             | <u>STEL</u>             |
| Epoxy resin        | 25068-38-6   | 30.0 - 60.0       | N/Av             | N/Av        | N/Av                   | N/Av                    |
| Ektasolve EP       | 2807-30-9    | 1.0 - 5.0         | N/Av             | N/Av        | N/Av                   | N/Av                    |
| Isopropanol        | 67-63-0      | 3.0 - 7.0         | 200 ppm          | 400 ppm     | 400 ppm<br>(980 mg/m3) | 500 ppm<br>(1225 mg/m3) |

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

White medium paste. Mild characteristic odor. WARNING! Flammable liquid and vapor. Vapors may ignite explosively. Irritating to eyes and skin. Irritating to respiratory system. Harmful if swallowed.

#### \*\*\*POTENTIAL HEALTH EFFECTS\*\*\*

**Target organs** : Eyes, skin, respiratory system.

**Routes of exposure** : *Inhalation:* YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES

**Potential acute health effects** :

*Eyes:* May cause moderate to severe irritation.

*Skin:* Mild skin irritation

*Inhalation:* Can cause irritation of the respiratory tract. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Vapour irritates eyes, nose, and throat.



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*Ingestion:* Ingestion of large amounts may cause nausea, vomiting, diarrhea, as well as depression of the central nervous system.

**Potential chronic health effects**

: Chronic exposure may cause dermatitis.

**Medical conditions aggravated by overexposure**

: Pre-existing skin and respiratory disorders.

**Additional health hazards**

: None reported by the manufacturer.

**Potential environmental effects**

: None reported by the manufacturer.

**SECTION 4 - FIRST AID MEASURES**

**Inhalation**

: Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen by qualified medical personnel only. If irritation persists, seek prompt medical attention.

**Skin contact**

: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

**Eye contact**

: Flush eyes thoroughly with running water for at least 20 minutes, holding eyelids open to ensure complete flushing. If irritation persists, seek prompt medical attention.

**Ingestion**

: Call a physician or Poison Control Centre immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.

**Notes For Physician**

: Treat symptomatically.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Fire hazards/conditions of flammability**

: Flammable liquid and vapour.

**Flammability classification (OSHA 29 CFR 1910.1200)**

: Flammable Liquid Class 1C.

**Flash point**

: 27.8°C

**Flash point Method**

: Seta Flash CC

**Auto-ignition temperature** : Not available.

**Lower flammable limit (% by vol.)**

: 2.0 %

**Upper flammable limit (% by vol.)**

: 12.0 %

**Suitable extinguishing media**

: Dry chemical, carbon dioxide and foam.

**Explosion data: Sensitivity to mechanical impact / static discharge**

: May be sensitive to static discharge. Not sensitive to mechanical impact.

**Special fire-fighting procedures/equipment**

: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Vapors are heavier than air and collect in confined and low-lying areas.

**Hazardous combustion products**

: Thermal decomposition products include: Carbon dioxide, carbon monoxide and other unidentified organic compounds.

**Oxidizing properties**

: None expected.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

: Wear suitable protective clothing (see Section 8).

**Environmental precautions**

: If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

**Spill response/cleanup**

: Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Flush any residue in the spill area with water. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**Containment**

: Place in an approved metal container. Seal the container.



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**SECTION 7 - HANDLING AND STORAGE**

- Safe Handling procedures** : Keep containers tightly closed when not in use. Avoid breathing vapours. Avoid contact with eyes, skin and clothing. Vapours may ignite explosively. Prevent buildup of vapours. Keep away from heat, sparks, and open flames. Use only in well-ventilated areas. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld, drill or grind on or near this container. Use proper bonding and grounding techniques when transferring liquid.
- Storage requirements** : Store away from areas of excessive heat, open flames, sparks, and other possible sources of ignition. Use and store in a cool, dry, well-ventilated area. Store at temperatures below 48.9 °C. Do not freeze. Inspect periodically for damage or leaks. Do not store near any incompatible materials (see Section 10).
- Incompatible materials** : Oxidizing agents
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodable metal containers are recommended.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- Ventilation and engineering measures** : General mechanical ventilation and explosion-proof local exhaust is required for use with this product.
- Respiratory protection** : None required under normal conditions. Use with adequate ventilation.
- Skin protection** : Wear impervious gloves, such as butyl rubber.
- Eye / face protection** : Safety glasses with side-shields. Chemical goggles are recommended when there is a potential for splashing.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- |   |  |   |                  |
|---|--|---|------------------|
| <b>Physical state</b>                                   | : Paste.   | <b>Appearance</b>                             | : White paste.   |
| <b>Odour</b>  | : Mild characteristic odor.  | <b>Odour threshold</b>                        | : Not available. |
| <b>pH</b>   | : Not available.   |   |                  |
| <b>Boiling point</b>                                    | : 82.2 °C  | <b>Specific gravity</b>                       | : 1.55           |
| <b>Melting/Freezing point</b>                           | : Not available.   | <b>Coefficient of water/oil distribution</b>  | : Not available. |
| <b>Vapour pressure (mmHg @ 20° C / 68° F)</b>           | : 33   | <b>Solubility in water</b>                    | : None.          |
| <b>Vapour density (Air = 1)</b>                         | : Heavier than air.  | <b>Evaporation rate (n-Butyl acetate = 1)</b> | : Greater than 1 |
| <b>Volatile organic Compounds (VOC's) (lbs/gal;g/l)</b> | : Not available.   | <b>Volatiles (% by weight)</b>                | : Not available. |
| <b>Viscosity</b>  | : Not available.   |   |                  |
| <b>Special Remarks On Fire Hazards</b>                  | : Vapor will form a flammable/explosive mixture with air between the upper and lower flammable limits. |   |                  |

**SECTION 10 - REACTIVITY AND STABILITY DATA**

- Stability and reactivity** : Stable under recommended storage conditions.
- Hazardous polymerization** : Hazardous polymerisation does not occur.
- Conditions to avoid** : Keep away from excessive heat, open flames, sparks and other possible sources of ignition.
- Materials To Avoid And Incompatibility** : Oxidizing agents.



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**Hazardous decomposition products**

- : Thermal decomposition products include: Carbon dioxide, carbon monoxide and other unidentified organic compounds.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

| <b>Ingredients</b> | <b>LC<sub>50</sub>(4hr)</b>    | <b>LD<sub>50</sub></b>                   |                       |
|--------------------|--------------------------------|--|-----------------------|
|                    | <b>inh, rat</b>                | <b>oral</b>                              | <b>dermal</b>         |
| Epoxy resin        | > 791 mg/m <sup>3</sup> (dust) | 20,000 mg/kg                             | >23,500 mg/kg         |
| Ektasolve EP       | 2025 ppm/4H (mouse)            | 500-1000 mg/kg (rat); 1774 mg/kg (mouse) | 870 mg/kg (rabbit)    |
| Isopropanol        | 17,000 ppm/4H (rat)            | 4720 mg/kg (rat)                         | 12,890 mg/kg (rabbit) |

- Toxicological data** : Low order of toxicity for normal industrial handling.
- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Irritating to eyes.
- Sensitization to material** : Contains a chemical or chemicals which may cause skin sensitization. This product contains: Epoxy resin.
- Synergistic materials** : No data is available on the product itself.

**SECTION 12 - ECOLOGICAL INFORMATION**

- Environmental effects** : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**SECTION 14 - TRANSPORTATION INFORMATION**

| <b>Regulatory Information</b>           | <b>UN Number</b>  | <b>Shipping Name</b> | <b>Class</b>  | <b>Packing Group</b> | <b>Label</b> |
|---|---|----------------------|---------------|----------------------|--------------|
| TDG                                     | None  | Not regulated.       | Not regulated | -None-               |              |
| <b>TDG Additional information</b>       | Not regulated for road or rail shipment if packaged in non-bulk containers (450 Litres or less each). |                      |               |                      |              |
| 49CFR/DOT                               | None  | Not regulated.       | Not regulated | -None-               |              |
| <b>49CFR/DOT Additional information</b> | Not regulated for road or rail shipment if packaged in non-bulk containers (450 Liters or less each). |                      |               |                      |              |





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|---|---|-----------|---|-----|---|
| ICAO/IATA                               | UN1133  | Adhesives | 3 | III |  |
| <b>ICAO/IATA Additional information</b> | Refer to ICAO/IATA Packing Instruction Y309, 309, or 310.   |           |   |     |   |
| IMDG                                    | UN1133  | ADHESIVES | 3 | III |  |
| <b>IMDG Additional information</b>      | Packing Code: P001, LP01<br>Packing Special Provisions: PP1<br>IBC Code: IBC03<br>IBC Special Provision: -<br>IMO Tank Instructions: T1<br>UN Tank Instructions: T2<br>Tank Special Provisions: TP1 |           |   |     |   |

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: Isopropyl alcohol.

**US State Right to Know Laws:**

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

**Canadian Regulations:**

Canadian Environmental Protection Act (CEPA): All ingredients are listed on the DSL, or are exempted materials.

Canadian WHMIS Classification: Class B2 (Flammable Liquids) , Class D1B (Materials Causing Immediate and Serious Toxic Effects, Toxic Material), Class D2B (Materials Causing Other Toxic Effects, Toxic Material).

***This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.***

**SECTION 16 - OTHER INFORMATION**

**Legend**

- : ACGIH: American Conference of Governmental Industrial Hygienists
- : IARC: International Agency for Research on Cancer
- : N/Ap: not applicable
- : N/Av: not available
- : NIOSH: National Institute of Occupational Safety and Health
- : NTP: National Toxicology Program
- : OSHA: Occupational Safety and Health Administration

**References**

- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.





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 Phone: (203) 708 8900

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