

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements

## U.S. Department of Labor

Occupation Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

### IDENTITY

**SS-316 (120307)**

*Note: Blank spaces are not permitted. If any item is not applicable, or no  
information is available, the space must be marked to indicate that.*

### Section I

|                                                                                                       |                        |                                                                |  |
|-------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------|--|
| Manufactured For:<br><b>Beaver Research Company</b>                                                   |                        | Emergency Telephone Number<br><b>1-800-255-3924 (Chem-Tel)</b> |  |
| Address (Number, Street, City, State, and ZIP Code)<br><b>3700 E. Kilgore Road, Portage, MI 49002</b> |                        | Telephone Number For Information<br><b>269-382-0133</b>        |  |
| HMIS RATINGS:                                                                                         | Health: 2              | Date Prepared<br><b>03/25/03</b>                               |  |
| 0-Minimal 3-Serious                                                                                   | Fire: 3                | Signature of Preparer (optional)                               |  |
| 1-Slight 4-Extreme                                                                                    | Reactivity: 1          |                                                                |  |
| 2-Moderate                                                                                            | Personal Protection: B |                                                                |  |

### Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical<br>Identity; Common Name(s)) | CAS No.     | PEL     | TWA/ TLV | Other Limits<br>Recommended | %<br>(optional) |
|----------------------------------------------------------------------|-------------|---------|----------|-----------------------------|-----------------|
| Aromatic Hydrocarbon                                                 | 108-88-3    | 100ppm  | 100ppm   | --                          | 20-40           |
| Aliphatic Hydrocarbon                                                | 64742-89-8  | 400ppm  | 400ppm   | --                          | 20-40           |
| Epoxy Ester Resin                                                    | Proprietary | 100ppm  | 100ppm   | --                          | 05-10           |
| Stainless Steel (Alloy Mixture)                                      | N/A         | N/E     | N/E      | --                          | 01-05           |
| Petroleum Distillates                                                | 8053-41-3   | 100ppm  | 100ppm   | --                          | 01-05           |
| Liquified Petroleum Gas                                              | 68476-85-7  | 1000ppm | 1000ppm  | --                          | 20-40           |

### Section III - Physical/Chemical Characteristics

|                                                   |           |                                                |        |
|---------------------------------------------------|-----------|------------------------------------------------|--------|
| Boiling Point                                     | 105.8°F   | Specific Gravity (H <sub>2</sub> O = 1) @ 75°F | 0.9447 |
| Vapor Pressure of can (psig @ 70°F)               | 35        | Total VOC %                                    | 58%    |
| Vapor Density (AIR = 1)                           | >1        | Evaporation Rate<br>(Butyl Acetate = 1)        | N/A    |
| Solubility in Water<br>Negligible                 | pH<br>N/A |                                                |        |
| Appearance and Odor<br>Silver Grey Liquid/Solvent |           |                                                |        |

### Section IV - Fire and Explosion Hazard Data

|                                                                                                                                                       |                                               |            |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------|------------|
| Flash Point (Method Used)<br>-41°F (of Concentrate Only)                                                                                              | Flammable Limits<br>Extremely Flammable Spray | LEL<br>N/A | UEL<br>N/A |
| Extinguishing Media<br>Foam, CO <sub>2</sub> , Dry Media.                                                                                             |                                               |            |            |
| Special Fire Fighting Procedures<br>Wear self-contained breathing apparatus & protective clothing. Cool fire exposed containers to prevent rupturing. |                                               |            |            |
| Unusual Fire and Explosion Hazards<br>Exposure to temperature above 120°F may cause bursting.                                                         |                                               |            |            |

### Section V - Reactivity Data

|                                                                                     |                |   |                        |     |
|-------------------------------------------------------------------------------------|----------------|---|------------------------|-----|
| Stability                                                                           | Unstable       |   | Conditions to<br>Avoid | N/A |
|                                                                                     | Stable         | X |                        |     |
| Incompatibility (Materials to Avoid)<br>Avoid contact with strong oxidizing agents. |                |   |                        |     |
| Hazardous Decomposition or Byproducts<br>Carbon Dioxide, Carbon Monoxide.           |                |   |                        |     |
| Hazardous                                                                           | May Occur      |   | Conditions to<br>Avoid | N/A |
| Polymerization                                                                      | Will Not Occur | X |                        |     |

**Section VI - Health Hazard Data**

|                    |             |       |            |
|--------------------|-------------|-------|------------|
| Route(s) of Entry: | Inhalation? | Skin? | Ingestion? |
|                    | Yes         | Yes   | Yes        |

Health Hazards (Acute and Chronic)

**Eyes:** May cause slight irritation but does not injure eye tissue. **Skin:** Frequent or prolonged contact may cause irritation. **Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract. **Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

|                  |      |                  |                 |
|------------------|------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
|                  | No   | No               | No              |

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedure

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately. **Skin:** Wash with soap and water. If irritation persists seek medical attention. **Inhalation:** Remove to fresh air. Seek medical attention immediately. **Ingestion:** Do not induce vomiting. Seek medical attention immediately. Notes to Physician: Administration of absorbents such as activated charcoal may be of value. Gastric Lavage may be effective when performed by a physician within 5 hours of ingestion.

**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State, and local laws.

Waste Disposal Method

Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

Precautions to be Taken in Handling and Storage

**Keep out of reach of children.** For Industrial and Institutional use only. Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 120°F. NFPA Code 30B Rating: Level 3 Aerosol.

Other Precautions

N/A

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

None needed for proper use in accordance with label directions.

|             |                     |     |         |     |
|-------------|---------------------|-----|---------|-----|
| Ventilation | Local Exhaust       | Yes | Special | N/A |
|             | Mechanical(General) | N/A | Other   | N/A |

Protective Gloves

None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

Eye Protection

None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

N/A

The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.