# MATERIAL SAFETY DATA SHEET

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**HMIS HAZARD RATING**

| | |
|---|---|
| Health | 1 |
| Fire | 3 |
| Reactivity | 0 |
| Personal Protection | B |

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## SECTION 1: PRODUCT IDENTIFICATION

Product Name: **DAUBOND 16762**
Chemical Family: Styrene-Butadiene Rubber/Resin Blend
Material Usage: Adhesive

## SECTION 2: HAZARDOUS INGREDIENTS

| Component | Wt% | Recommended Exposure Limits (TWA) |
|---|---|---|
| Acetone<br>CAS #67-64-1 | 39-41% | OSHA PEL: 1000 ppm<br>ACGIH TLV: 500 ppm |
| Cyclohexane<br>CAS #110-82-7 | 39-41% | OSHA PEL: 300 ppm<br>ACGIH TLV: 100 ppm |

## SECTION 3: HEALTH HAZARD INFORMATION

**Primary Routes of Entry:** Skin absorption, inhalation.
**Acute Effects:** Skin and eye irritation.
**Chronic Effects:** Prolonged or repeated skin contact may defat the skin and cause dermatitis; allergic reactions may arise in sensitive individuals.
**Acute Overexposure:** Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, and possibly unconsciousness, and even death.
Carcinogenicity: None of the components of this product are listed as carcinogens by NTP, IARC, or OSHA 1910 (Z).
**Pre-Existing Medical Conditions Aggravated by Exposure:** Skin, eye, liver, kidney, respiratory.
**Target Organ Effects:** This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities.
**Developmental Information:** This material (or a component) has been shown laboratory animal studies. Harm to the fetus that harm the pregnant animal. The relevance uncertain. to cause harm to the fetus in occurs only at exposure levels of these findings to humans is uncertain.

## SECTION 4: FIRST AID PROCEDURES

**Inhalation:** Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.
**Eyes:** In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.
**Skin:** Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.
**Ingestion:** DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

## SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: -4ºF. (TCC )
Explosive Limits: LEL: 1.2 UEL: 12.8

**EXTINGUISHING MEDIA**
Small Fires: Dry chemical, $CO_2$, water spray, or alcohol-resistant foam.
Large Fires: Water spray, fog, or alcohol-resistant foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.
**Special Firefighting Protection/Emergency Action:** Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.
**Unusual Fire/Explosion Hazards:** Dried residue may be ignited by extreme heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire.
**Products of Combustion:** Carbon monoxide, carbon dioxide, miscellaneous hydrocarbons.

## SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

**Steps to be Taken in case Material is Released or Spilled:** Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.
**Small Spills:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
**Large Spills:** Dike far ahead of liquid spill for later disposal.

## SECTION 7: SAFE HANDLING INFORMATION

**Precautions To Be Taken In Handling/Storage**: Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.
**Other Precautions:** Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

## SECTION 8: EXPOSURE CONTROLS

**Respiratory Protection:** NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.
**Ventilation:** General and local exhaust.
**Personal Protective Equipment:**
Protective Gloves: Impervious gloves (Viton, etc.)
Eye Protection: Safety glasses with sideshields or chemical goggles.
**Other Protective Clothing or Equipment**: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

## SECTION 9: REACTIVITY HAZARD DATA

**Stability:** Stable
**Incompatibility:** Strong acids, bases, oxidizing agents.
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, miscellaneous hydrocarbons.
**Hazardous Polymerization:** Will not occur.

## SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Color: | Translucent |
| Appearance: | Liquid |
| Odor: | Petroleum Distillate |
| Boiling Point (initial): | 133□F |
| Evaporation Rate (n-Butyl Acetate=1): | 7.7 |
| Vapor Pressure (mmHg @ 100□F.): | 185 |
| Vapor Density (air=1): | >1 |
| Solubility in Water: | Appreciable |
| Specific Gravity: | 0.82 ± .02 |
| pH: | Not Applicable |
| Percent Volatile by Volume: | 84 ± 1 |

## SECTION 11: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**: Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced.

## SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

| | |
|---|---|
| VOC per liter(w/acetone exemption): | 2.74 lbs/gal (328 grams/liter) |
| VOC per liter minus exempt solvents and water: | 4.70 lbs/gal (563 grams/liter) |

EPA Hazardous Waste Number(s) (40 CFR Part 261): U002/D001/U056

EPA Hazard Category (40 CFR Part 370): IMMEDIATEL (ACUTE)
DELAYED (CHRONIC)
FIRE (FLAMMABLE)

**SARA TITLE III:**

This product contains the following TOXIC CHEMICALS subject to the Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40 CFR Part 372:

| Chemical | CAS No. | Wt% | |
|---|---|---|---|
| Cyclohexane | 110-82-7 | 40.0 | |
| Acetone | 67-64-1 | 40.0 | 5000 Lbs |

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to Emergency Planning Requirements under Sec. 301-303 (40 CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:

| Chemical | CAS No. | Wt% | RQ/TPQ Lbs |
|---|---|---|---|
| None | | | |

This product contains the following (CERCLA LIST) HAZARDOUS SUBSTANCE(S) subject to Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302):

| Chemical | CAS No. | Wt% | Final RQ Lbs |
|---|---|---|---|
| Cyclohexane | 110-82-7 | 40.0 | 1000 |
| Acetone | 67-64-1 | 40.0 | 5000 Lbs |

CALIFORNIA PROPOSITION 65:

This product may contain trace quantities of chemicals identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard.

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Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.