

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING

| | |
|---------------------|---|
| HEALTH | 1 |
| FIRE | 1 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | B |

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By: M. Hogan

SECTION I: PRODUCT IDENTIFICATION

Product Name: **DAUBOND 6479GM2**
Chemical Family: Vinyl Acetate-Ethylene Copolymer
Material Usage: Adhesive

SECTION II: HAZARDOUS INGREDIENTS

| <u>Component</u> | <u>Wt %</u> | <u>Recommended Exposure Limits (TWA)</u> |
|---|-------------|--|
| ^[1] Vinyl Acetate CAS #108-05-4 | < 1.0% | OSHA PEL = Not Established ACGIH STEL = 15 ppm ACGIH TLV: 10 ppm |
| Benzoate Plasticizer CAS # Proprietary | 5-15 | None Established |

^[1] See section 3

SECTION III: HEALTH HAZARD INFORMATION

Primary Routes of Entry: Skin absorption.

Acute Effects: Skin and eye irritation.

Chronic Effects: Prolonged or repeated skin contact may defat the skin and cause irritation; allergic reactions may arise in sensitive individuals.

Carcinogenicity: This product contains a small amount of vinyl acetate monomer (CAS-No. 108-05-4). Vinyl acetate has been classified by IARC (International Agency for Research on Cancer) as possible human carcinogen (Group 2B) on the base of "inadequate evidence in humans for the carcinogenicity of vinyl acetate" and of "limited evidence in experimental animals for the carcinogenicity of vinyl acetate". Normally, this lack of conclusive evidence would place a substance in the IARC Category 3 ("Not classifiable as to its carcinogenicity to humans"). However, because vinyl acetate is metabolized to acetaldehyde, which has an IARC 2B classification, it also has been listed under Category 2B. Contains chemical(s) present at < 0.1% which may cause: skin sensitization.

Pre-Existing Medical Conditions Aggravated by Exposure: Dermatitis

Special Instructions for Protection and Hygiene: Formaldehyde concentrations in the workplace air may exceed the exposure limit under unusual conditions of use. Minor components will migrate into the container headspace. Levels in excess of the exposure limits can accumulate in non-vented container headspaces. Formaldehyde concentrations in the workplace air may exceed the exposure limit under unusual conditions of use.

SECTION IV: 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 V: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): >200°F (closed cup)

Explosive Limits: LEL = Not Determined UEL = Not Determined

EXTINGUISHING MEDIA:

Small Fires: Dry chemical, CO₂, 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: Water, carbon monoxide, carbon dioxide, and smoke.

SECTION VI: 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 VII: 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 VIII: 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 IX: REACTIVITY HAZARD DATA

Stability: Stable

Incompatibility: Strong acids, bases, oxidizers, sodium, metal hydrides or other materials that react violently with water.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, acetic acid, aldehydes, misc hydrocarbons.

Hazardous Polymerization: Will not occur.

SECTION X: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|-------------|
| Color: | Green |
| Appearance: | Liquid |
| Odor: | Mild |
| Boiling Point (initial): | 212°F. |
| Evaporation Rate (n-Butyl Acetate=1): | .33 |
| Vapor Pressure (mmHg @ 70°C): | 18.5 |
| Vapor Density (air=1): | >1 |
| Solubility in Water: | Dispersible |
| Specific Gravity: | 1.08 ± .02 |
| pH: | 4-6 |
| Percent Volatile by Volume: | 33 ± 1 |

SECTION XI: 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 XII: REGULATORY INFORMATION

VOLATILE ORGANIC CONTENT: (Calculated Values)

VOC per Liter:

NIL (<5 g/l)

VOC per Liter Minus Exempt Solvents & Water:

NIL (<8 g/l)

EPA HAZARDOUS WASTE NUMBER(S) (40 CFR PART 261):

NOT APPLICABLE

EPA HAZARD CATEGORY (40 CFR PART 370):

IMMEDIATE (ACUTE)

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 % |
|-------------------------|---------|------|
| Vinyl Acetate (Monomer) | 108054 | <1.0 |

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 |
|-------------------------|---------|------|------------|
| Vinyl Acetate (Monomer) | 108054 | <1.0 | 1000/5000 |

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

| Chemical | CAS No. | Wt % | Final RQ Lbs |
|-------------------------|---------|------|--------------|
| Vinyl Acetate (Monomer) | 108054 | <1.0 | 1000 |

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:

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.