
Material Safety Data Sheet

This material safety data sheet complies with OSHA's Hazard Communication Standard, 29CFR 1910.1200. If any item is not applicable, or no information is available, the space is marked to indicate that.

IDENTITY (As Used On Label And List) 4470 Boat Adhesive

SECTION 1

Chemical Technology, Inc

Date Prepared: 4/1/10

13271 Mt. Elliott

Emergency Number: 313- 893-4930

Detroit, MI 48212

Information Number: 313- 893-4930

SECTION 2 - HAZARDS IDENTIFICATION

OVERVIEW: Irritating to eyes, skin and respiratory tract.

ROUTE OF ENTRY: **Inhalation - Y** **Skin Contact - Y** **Ingestion - N**

EYES: Exposure to liquid or vapor cause mild eye irritation.

SKIN: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying, cracking and skin burns. Pre-existing skin disorders may be aggravated by exposure to this material. Skin absorption is possible.

BREATHING: Symptoms are typically seen at air concentrations exceeding the recommended exposure limits. Under normal conditions of use in well ventilated areas, the concentration of vinyl acetate in the work place arising from the residual monomer in these polymer emulsions will not exceed the TLV of 10 ppm.

SYMPTOMS OF EXPOSURE MAY INCLUDE: Nasal and respiratory irritation (nose, throat and lung) - aggravated by exposure to this material.

SWALLOWING: This material can be a slight health hazard if ingested in large quantities.

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous components (Specific Chemical Identity)	ACGIH	Approx.
Common Name (S) CAS# OSHA PEL	TLV	V/V %

Contains no hazardous ingredients.

SECTION 4 - FIRST AID

EYE: If symptoms develop, move individual away from exposure and into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. If symptoms persist, seek medical attention.

SKIN: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, apply a clean dressing and seek immediate medical attention. If skin is not damaged, wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

BREATHED: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention. Keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

SWALLOWED: DO NOT INDUCE VOMITING. This material is an aspiration hazard. If individual is drowsy or unconscious, place on left side with head down. Seek medical attention. If possible, do not leave individual unattended. Risk of damage to lungs exceeds poisoning risk.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT (Method Used): NA

FLAMMABLE LIMITS: N/A

NFPA CODES: Health - 2 Flammability - 0 Reactivity - 0
(0 = Least 1=Slight 2=Moderate 3=High 4=Extreme)

EXTINGUISHING MEDIA: Apply alcohol-type or all-purpose-type foam; or carbon dioxide or dry chemical foam.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials; peroxides; carbon dioxide and carbon monoxide, various hydrocarbons, etc.

FIRE FIGHTING PROCEDURES: Use procedures appropriate for source of blaze.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to hood.

Large Spills: Stop spill at source; dike area to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

WASTE DISPOSAL METHOD:

Small Spill: Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood ductwork. Dispose of remaining material in accordance with applicable regulations.

Large Spills: Destroy by liquid incineration. Contaminated absorbent may be disposed in a landfill in accordance with local, state and federal regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: SEE SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Storage Temperature: Ambient Storage Pressure: Room Pressure

GENERAL:

- Keep container closed.
- Store in a cool, well ventilated place away from incompatible materials. (see SECTION 10 - STABILITY AND REACTIVITY DATA)
- Protect material from direct sunlight.
- Empty containers may retain hazardous properties.
- Follow all MSDS/Label warnings even after container is emptied.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Type): A NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control.

Ventilation: **Local Exhaust:** Yes **Mechanical (general):** Yes

Special: None listed **Other:** None listed

Protective gloves: Wear resistant gloves. Consult your safety representative for specific recommendations.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised. However, OSHA regulations also permit other type of safety glasses. Consult your safety representative for specific recommendations.

Other Protective Clothing or Equipment: To prevent prolonged or repeated skin contact, wear impervious clothing and boots. Consult your safety representative for specific recommendations.

Work/Hygienic/Maintenance Practices: Keep inhalation and skin exposure to a minimum. Wash before eating, smoking, or using the rest room.

4470 Boat Adhesive

SECTION 9 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (@ 760.00 mm Hg): 212°F

VISCOSITY: Thick syrup

SPECIFIC GRAVITY (water = 1) : 1.07

pH: less than 6

VAPOR PRESSURE (mmHg): ND

APPEARANCE: White Liquid

MELTING POINT: N/A

ODOR: Mild Odor

VAPOR DENSITY (air = 1): 3

PHYSICAL STATE: Liquid

EVAPORATION RATE (But Ace = 1): 4.2

FREEZING POINT: Do not Freeze

SOLUBILITY IN WATER: Miscible

HAPS (Hazardous Air Pollutants): 0#/gal

V.O.C.: 0#/gal

SECTION 10 - STABILITY AND REACTIVITY DATA

4/1/10

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks, flames, and other sources of ignition.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents, acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, carbon dioxide, hydrocarbons.

HAZARDOUS POLYMERIZATION: Will Not Occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

CARCINOGENICITY: NTP - Not listed. IARC Monographs - Not listed **OSHA Regulated** - Not listed

EFFECTS OF CHRONIC OVEREXPOSURE: None Known

SECTION 12 - ECOLOGICAL INFORMATION

N/I - No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA Hazard Class: Not Regulated

SECTION 14 - TRANSPORTATION INFORMATION

DOT (Department of Transportation): Waterbase Adhesive NMFC 4620, Sub 5 Class/Rate 60

SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act): None Known

SARA TITLE III (Superfund Amendments and Reauthorization Act): Acute Health and Fire Hazards.

CALIFORNIA (Proposition 65): 2 methyl aziridine (CAS RN 75-55-8) (not thought to be present in this product) is known by the state of California to be carcinogenic.

SECTION 16 - OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with Chemical Technology or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.