

VAPCO PRODUCTS DIV.
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METAL PROTECTOR

HMIS: 0-0-0

NFPA: 2-0-1

Data Sheet: 135
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 1: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens are identified with an asterisk (*) in this section.

<u>Ingredient(s)</u>	<u>OSHA PEL</u>	<u>Percent</u>	<u>ACGIH TLV</u>
Methylene Chloride CAS #: 75-09-2	500 ppm	80-90%	50 ppm
Ethylene Glycol Monobutyl Ether CAS #: 111-76-2	50 ppm	2-5%	25 ppm
Carbon Dioxide CAS #: 124-38-9	Not Available		5000 ppm

SECTION 2: HAZARDS IDENTIFICATION

Permissible Exposure Limits: Not established for this product.

Effects of Acute Overexposure:

Eyes: Moderate to severe irritation.

Skin: Irritation due to defatting of tissue.

Breathing: Nausea, dizziness, coordination impairment on long exposure.

Swallowing: Nausea, headache, vomiting.

Primary Route(s) of Entry: Skin contact, eye contact, ingestion and inhalation.

Medical Conditions Aggravated by Exposure: Skin sensitivity, chemical allergies.

Carcinogenicity: Overexposure to methylene chloride can raise the level of carbon monoxide in the blood causing cardiovascular stress. Methylene chloride is listed as a potential carcinogen (2 B) by IARC. Results of laboratory animal tests show that methylene chloride produced: Benign tumors in rats exposed to 500 ppm; cancer in rats and mice exposed to 1500 ppm and higher, but not in hamsters. It increased the rate of spontaneously occurring malignant tumors in the B6C3F1 mouse. Epidemiology studies failed to show a tumorigenic response in plant workers. Methylene chloride is not believed to pose a measurable cancer risk to man when handled as recommended.

Note: Overexposure to methylene chloride has been found to cause the following affects in laboratory animals: liver abnormalities and lung damage.

SECTION 3: FIRST AID MEASURES

EYES: Immediately remove individual from exposure area into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. Seek immediate medical attention.

SKIN: Remove contaminated clothing immediately. Discard contaminated shoes. Wash exposed area with large amounts of soap and water. If irritation persists or open sores develop, get immediate medical attention.

BREATHING: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped, give artificial respiration. Keep person warm, quiet and get immediate medical attention. If possible do not leave person unattended.

SWALLOWING: Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. If the individual is conscious and alert, immediately rinse mouth with water and dilute the swallowed material with milk or water. Seek immediate medical attention.

SECTION 4: FIRE FIGHTING MEASURES

Flash Point: N/A.

Explosive Limit: Not Established for product.

Extinguishing Media: Foam, CO₂, Dry Chemical, Halon.

Hazardous Decomposition Products: Open flames can cause thermal degradation with the evolution of hydrogen chloride, phosgene, and chlorine.

Fire Fighting Procedures: Wear Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fire fighting.

Special Fire and Explosion Hazards: Exposure to temperatures over 120 degrees Fahrenheit may cause bursting or venting. Heat or fire may cause hazardous fumes: carbon monoxide, phosgene, chlorine, and hydrogen chloride.

SECTION 5 ACCIDENTAL RELEASE MEASURES

Small Spill: Mop up, soak up immediately. Remove to out of doors.

Large Spill: Evacuate area. Contain liquid; transfer to closed metal containers. Keep out of water supply. Follow Local, State, and Federal regulations for proper disposal.

SECTION 6: HANDLING AND STORAGE

Do not store where temperatures exceed 120 degrees Fahrenheit. Keep out of reach of children.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Not required under normal conditions of use; however, if sprayed or used in confined areas, a NIOSH / MSHA approved respirator may be advised in absence of proper environmental control. OSHA regulations also permit other NIOSH / MSHA respirators under specified conditions -- see 29 CFR 1910.134 or your safety equipment supplier. Engineering and/or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below recommended exposure limits.

Protective Gloves: Wear chemical resistant gloves such as neoprene or rubber. Contact your safety equipment supplier.

Eye Protection: Chemical splash goggles and a face shield to prevent splash on to the face, in compliance with OSHA regulations, are advised.

Other Protective Equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	N/A	Specific Gravity	1.25
Vapor Pressure	80 psig	pH	N/A
Vapor Density	>1	Evaporation Rate	>1
Solubility In Water	Insoluble	Appearance	Yellow-Sweet Odor

SECTION 9: STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Stability: Stable.

Materials to Avoid: Possibly sodium, potassium, and magnesium.

Conditions to Avoid: Sources of heat.

Incompatibility: Avoid contact with strong oxidizing agents, acidic materials, and metal. Do not mix with any other products.

Hazardous Decomposition Products: Open flames can cause thermal degradation with evolution of hydrogen chloride, phosgene, and chlorine.

SECTION 10: TOXICOLOGICAL INFORMATION

No data available at this time.

SECTION 11: ECOLOGICAL INFORMATION

No data available at this time.

SECTION 12: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State, and Federal regulations.

SECTION 13: TRANSPORTATION INFORMATION

DOT Hazard Classification: Consumer Commodity ORM-D

SECTION 14: REGULATORY INFORMATION

SARA Title III, Section 313 chemicals: Methylene Chloride RQ 1000 lbs.

SARA Title III, Section 312: Health - Acute (No) Chronic (No) Fire (No) Reactivity (No)

Proposition 65 : None

SECTION 15: OTHER INFORMATION

Containers used to transport and store this material may be hazardous when emptied. Residue (Vapor, Liquid, and/or Solid) may be present in the emptied container. All hazard precautionary measures should be followed.

The information accumulated and reflected in this Material Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.