

SAFETY DATA SHEET

This SDS complies with 29 CFR 1910.1200 (OSHA Hazard Communication Standard) and Canadian WHMIS Regulations.

IMPORTANT: Read this SDS before handling and disposing of this product.

Pass this information on to employees, customers and users of this product.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Protecto-Tak

Intended Use: Aerosol Adhesive

Manufacturer: Protecto Wrap Company
1955 South Cherokee Street
Denver, CO 80223

Telephone: (303) 777-3001

Fax: (303) 777-9273

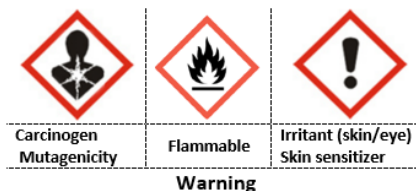
Internet: www.protectowrap.com

Emergency Phone: ChemTel: Domestic 800-255-3924, International 813-248-0585

Prepared by: Protecto Wrap Company, 1955 S Cherokee St., Denver, CO 80223 (800) 759-9727

2. HAZARDS IDENTIFICATION

This product is a white liquid with a solvent odor packaged as an aerosol. Contents under pressure. Extremely flammable aerosol, liquid, and vapor. Containers may burst at high temperatures. May cause severe eye irritation. May cause skin irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness. Prolonged and/or repeated overexposure may cause peripheral nervous system damage.



3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component</u>	<u>Hazardous Subcomponent</u>	<u>CAS No.</u>	<u>Amount</u>	<u>Exposure Limit</u>
Cyclohexane		110-82-7	5-10%	300 ppm PEL-TWA
Dimethyl Ether		115-10-6	5-15%	None Established PEL/TLV
Hexane		110-54-3	25-45%	500 ppm PEL-TWA 50 ppm TLV-TWA
Isobutane		75-28-5	5-10%	None Established PEL/TLV 800 ppm NIOSH REL-TWA
Propane		74-98-6	5-10%	1000 ppm PEL-TWA 2500 ppm TLV-TWA

Balance of materials – NonHazardous

4. FIRST AID MEASURES

EYE: First check victim for contact lenses and remove if present. Flush victim's eyes with large quantities of water, holding the eyelids apart. Get medical attention.

SKIN: Remove contaminated clothing and launder before re-use. (*Discard contaminated shoes*). Wash skin thoroughly with soap and water. If rash or irritation develop, get medical attention.

INGESTION: If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. **DO NOT** induce vomiting unless directed by medical personnel. Get medical attention.

INHALATION: If symptoms of exposure develop, remove victim to fresh air. If breathing is difficult or symptoms persist, get immediate medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use Carbon Dioxide, foam, or dry chemical to extinguish fire. Use fog nozzles if water is used. Use water to cool fire exposed containers and structures
UNUSUAL FIRE OR EXPLOSION HAZARDS:	The solvents in this product are extremely flammable and form explosive mixtures with air. Aerosol containers may explode in fire. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Puncturing containers or heating cans above 130° F may cause containers to rupture
SPECIAL FIRE-FIGHTING INSTRUCTIONS:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Provide shielding to protect from bursting cans. Do not allow run-off from firefighting to enter drains or water courses
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon and nitrogen and other organic compounds
EXPLOSION DATA (sensitivity to mechanical impact or static discharge):	Flammable vapors may be ignited by static spark. Mechanical impact may rupture aerosol containers releasing flammable gases and vapors

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. Remove all sources of ignition. Ventilate area with explosion proof equipment. Pick up and place into an appropriate container for disposal. Report releases as required by local, state, and federal authorities.

7. HANDLING AND STORAGE

HANDLING: Wear protective clothing/equipment as described in Section 8. Avoid contact with the eyes, skin, and clothing. Provide adequate ventilation and avoid breathing vapors and mists. This product is not intended to be heated. Wash with soap and water after use.

Keep away from heat sources, sparks, flames and all other sources of ignition. No smoking in use or storage area. Contents under pressure. Do not puncture or incinerate container.

Do not cut, drill, grind or weld on or near containers, even empty containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

STORAGE: Store in a cool, well ventilated area (<120°F) away from excessive heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: Refer to Section 3

ENGINEERING CONTROLS: General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation (explosion proof) such as local exhaust may be needed to maintain exposure levels below applicable limits.

RESPIRATORY PROTECTION: If the exposure limits are exceeded a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

SKIN PROTECTION: Avoid skin contact. Wear appropriate impervious gloves.

EYE PROTECTION: Safety glasses or goggles should be worn where contact is possible. Contact lenses are not recommended when using this product

OTHER: Impervious clothing as needed to prevent contact. An eye wash should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor:	White liquid with a mild solvent odor. The odor threshold for	Octanol/Water Coefficient:	No data available
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cyclohexane is reported to be 780 ppm. The odor threshold for hexane is reported to be 65 – 250 ppm

Autolgnition	None Determined	pH:	Not applicable
Boiling Point:	Not applicable	Relative Density	Not applicable
Bulk Density:	5.84 pounds/gallon	Solubility In Water:	Insoluble
Decomposition Temperature	Not applicable	Specific Gravity:	Not applicable
Evaporation Rate:	9 (hexane) (n-butyl acetate = 1)	Vapor Density:	3.5 (hexane)
Flammability	Extremely flammable	Vapor Pressure:	15 mm Hg @ 25°C (hexane)
Flammable Limits	LEL: 1.0% UEL: 18.0%	Viscosity	Not applicable
Flash Point:	-156°F (-104°C)	VOC Content:	550 grams/liter
Melting Point:	Not applicable		

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.

INCOMPATIBILITY: Strong acids, bases, reducers and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen and other organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

INGESTION: This is an unlikely route of exposure with an aerosol product. Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness. Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

INHALATION: Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, nausea, vomiting, disorientation and stupor. Severe overexposures may cause muscle weakness, numbness in the extremities, unconsciousness, respiration depression and death. Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal.

EYE: Contact may cause severe irritation with redness, tearing and blurred vision. Eye contact can lead to permanent damage if not treated promptly.

SKIN: Repeated or prolonged contact may cause irritation, drying and defatting. The liquid may be absorbed through the skin causing effects similar to those described under inhalation and ingestion.

SENSITIZATION: This product is not expected to cause sensitization.

CHRONIC/CARCINOGENICITY: Prolonged overexposure may cause peripheral nerve damage and central nervous system effects. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Hexane has been found to cause adverse reproductive effects and/or birth defects in studies with laboratory animals. No ingredient in this product present at greater than 0.1% is listed as a carcinogen by NTP, IARC, or OSHA.

MUTAGENICITY: Hexane and cyclohexane have tested positive for mutagenicity in some test systems.

SYNERGISTIC PRODUCTS: None specifically known. Products containing chemicals that effect the same target organ systems would be expected to have synergistic effects; for example other solvent containing products.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Employees with pre-existing skin, respiratory, liver and kidney disease may be at increased risk from exposure.

ACUTE TOXICITY VALUES:

Cyclohexane:	Oral Rat LD50 – 12,705 mg/kg	Dimethyl Ether:	Inhalation Rat LC50 – 308 g/m ³
	Skin Rabbit LD50 - > 180.0 g/kg		
Hexane:	Oral Rat LD50 – 25 g/kg		
	Inhalation Rat LC50 – 48,000 ppm/4hr		

12. ECOLOGICAL INFORMATION (non mandatory)

No ecotoxicity data is available for this product at this time.

13. DISPOSAL CONSIDERATIONS (non mandatory)

Dispose in accordance with local, state and federal environmental regulations.

14. TRANSPORT INFORMATION (non mandatory)

DOT HAZARDOUS MATERIALS DESCRIPTION

Proper Shipping Name:	Consumer Commodity	Hazard Class/Packing Group:	ORM-D
UN Number:	None	Labels Required:	None

15. REGULATORY INFORMATION (non mandatory)

CERCLA / SUPERFUND: This product has a Reportable Quantity (RQ) of 10,000 lbs. based on the RQ for Cyclohexane of 1000 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA HAZARD CATEGORY (311/312): Acute Health, Chronic Health, Fire Hazard, Sudden Release of Pressure

SARA 313 INFORMATION: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Cyclohexane	110-82-7	5-10%
Hexane	110-54-3	25-45%

EPA TSCA INVENTORY: All of the ingredients in this product are listed on the EPA TSCA Inventory

CALIFORNIA PROPOSITION 65 This product contains the following chemicals known to the State of California to cause cancer: Benzene <0.1%

This product contains the following chemicals known to the State of California to cause developmental toxicity (birth defects): Toluene <1%

This product contains the following chemicals known to the State of California to cause male reproductive toxicity: Benzene

CANADA: This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

CANADIAN WHMIS: CLASSIFICATION: Class B Division 5 (Flammable Aerosol); Class D Division 2 Subdivision B (Toxic Material Causing other Toxic Effects)

CANADIAN CEPA: All the components of this product are listed on the Canadian DSL
New Zeland HSNO # 2.1.2A

16. OTHER INFORMATION

SDS Date of Preparation: 05_2019
NFPA RATING: Health = 2 Fire = 4 Reactivity = 0
HMIS RATING: Health = 2ⁱ Fire = 4 Reactivity = 0

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.

ⁱ See Section 11 – Toxicological Information