

MATERIAL SAFETY DATA SHEET

Business Hours 8:00 am - 5:00 pm

Emergency Telephone Number

972/442-6545

HARCAST PRODUCTS

CARLISLE COATINGS AND WATERPROOFING, INC.

Subsidiary of Carlisle Corporation

900 Hensley Lane Wylie, Texas 75098

FOR TRANSPORTATION EMERGENCIES

CALL CHEMTREC 800/424-9300

SECTION I

PRODUCT NAME & SYNONYMS GLAS GRIP 658	CHEMICAL FAMILY Solvent Spray Adhesive	HMIS RATINGS			
PRODUCT USE General Purpose Adhesive	FORMULA Solvent rubber blend	Health	2	Flammability	3

SECTION IIA - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	%	ACGIH (ppm)		OSHA (ppm)		
			TLV	TLV-C	STEL	STEL	PEL
Methylene Chloride	75-09-2	30-60	50	N/est	N/est	125	25
Hydrocarbon propellant	Mixture	15-40	2500	N/est	N/est	N/est	1000

SECTION IIB - ADDITIONAL INGREDIENTS (> 3%)

Non hazardous hydrocarbon resins	20%	N/E=Not established	N/A=Not applicable
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SECTION III - PHYSICAL DATA

SPECIFIC GRAVITY 1.33	BOILING POINT 104 deg F	% VOLATILES BY WT 83.09%	VAPOR DENSITY (Air = 1) Heavier than air
VAPOR PRESSURE 350 mm Hg @ 68°F	FREEZING POINT -139 deg F	SOLUBILITY IN WATER Negligible	EVAPORATION RATE Faster than n-Butyl Acetate
pH Not applicable	PHYSICAL STATE Liquid	ODOR THRESHOLD Not available	MAXIMUM VOC 266 grams/Liter

ODOR & APPEARANCE

Green Liquid with chlorinated solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY	IF YES, UNDER WHAT CONDITIONS Flammable per flame projection test (16CFR1500.45)
FLASHPOINT Not Available	AUTOIGNITION TEMPERATURE Not Available

HAZARDOUS COMBUSTION PRODUCTS

Toxic gases such as chlorine, phosgene, & hydrogen chloride may be released in a fire.

EXTINGUISHING MEDIA

Dry chemical, Carbon dioxide, Water mist

SPECIAL FIREFIGHTING PROCEDURES

Keep container cool. Use equipment or shielding as required to protect personal against bursting, rupturing, or venting of containers. Firefighters should wear normal self-contained breathing apparatus, especially in enclosed area.

UNUSUAL FIRE & EXPLOSION HAZARDS

Containers are pressurized with flammable, liquified gas. At elevated temperature (over 120 degrees F) containers are subject to sudden release of contents. If this occurs, flammable vapors or liquids will be released.

SECTION V - REACTIVITY DATA

This product is chemically stable. Hazardous polymerization will not occur.	CONDITIONS TO AVOID High heat, sparks, open flames, and other ignition sources.
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INCOMPATIBILITY

Strong alkali metals, pure oxygen.

DECOMPOSITION PRODUCTS

Fumes, smoke, carbon monoxide, carbon dioxide in the case of incomplete combustion in air. Hydrogen, chlorine and very small amounts of phosgene from solvent.

SECTION VI - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Eyes: Can cause severe irritation, redness, tearing or blurred vision. Slight transient corneal injury possible.

Skin: Prolonged or repeated contact can cause irritation, defatting of skin and dermatitis. Absorption through intact skin is possible if contact with the liquid is prolonged.

Inhalation: May cause dizziness, nausea, headache and vomiting. Under high concentrations, loss of consciousness and death are possible.

Ingestion: Can cause dizziness, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause pneumonitis which can be fatal.

Methylene chloride has been shown to cause cancer in certain laboratory animals. Repeated and /or prolonged exposure to high concentrations has induced liver and kidney and possible cardiac toxicity in experimental animals.

Medical conditions aggravated by exposure include preexisting eye, skin, respiratory disorders.

An occasional patient may develop erythema, hives, breathing problems and other allergic reactions.

This product contains substances which are known to the State of California to cause cancer (and/or) to be reproductive toxins.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Inhalation of fumes or prolonged or repeated exposure at high concentration can cause headache, mental confusion, depression, fatigue, nausea, vomiting, dermatitis, loss of sense of balance, and visual disturbances.

EXPOSURE LIMITS	SENSITIZATION TO PRODUCT	IRRITANCY OF PRODUCT	SYNERGISTIC PRODUCTS
OSHA PEL-MeCl = 25 ppm	Eye, nose, & throat irritation @ or above PEL of 25 ppm	May cause skin sensitization in some people	None known
CARCINOGENICITY Contains Methylene Chloride, known to state of CA to cause cancer, birth defects or other reproductive harm.	MUTAGENICITY & TUMORIGENICITY Not available	REPRODUCTIVE TOXICITY Not available	TERATOGENICITY No evidence

SECTION VII - PREVENTIVE MEASURES

EYE PROTECTION Chemical splash goggles in compliance with OSHA.	GLOVES Impervious gloves recommended.
RESPIRATOR NIOSH approved respirator if ventilation is inadequate.	FOOTWEAR Industrial shoes to protect feet from contact with adhesive

OTHER

Long sleeves, long trousers to protect skin from contact with adhesive

ENGINEERING CONTROLS

Use in a well ventilated area. Avoid breathing vapors. Use a NIOSH approved respirator or self contained apparatus if ventilation is inadequate. Maintain ventilation exposure below PEL.

LEAK OR SPILL PROCEDURE

Close valve to cylinder. Small releases can be cleaned with absorbent materials or towels. Place contaminated absorbents in closed containers for disposal. In case of large spills, evacuate area and ventilate. Use proper protective gear and dike area to contain liquid. Clean area with absorbents (do not allow in sewer or other water sources). Place absorbents in closed containers for disposal.

WASTE DISPOSAL

Dispose of in accordance with all local, state, and federal regulations.

Do not puncture or incinerate containers. Give to a disposal service equipped to handle containers.

HANDLING PROCEDURES & EQUIPMENT

Keep out of reach of children. Launder contaminated clothing.

Wash with soap and water after use, especially before eating or drinking.

STORAGE REQUIREMENTS

Avoid inhalation of vapors. Do not store at temperatures of 120°F or higher. Do not puncture or incinerate containers.

SPECIAL SHIPPING INFORMATION

Dichloromethane 6.1 UN 1593 PG III (Keep away from food)

SECTION VIII - FIRST AID MEASURES

EYE CONTACT

Immediately flush with large amounts of running water for at least 15 minutes. Get medical attention.

SKIN CONTACT

Remove contaminated clothing and immediately wash skin with soap and running water. Do not rub.

If irritation persists, contact a physician.

INHALATION

Remove to fresh air. Provide oxygen if breathing is difficult. If necessary, give artificial respiration.

If symptoms persist, seek medical attention.

INGESTION

Do not induce vomiting. Get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

SECTION IX - REGULATORY INFORMATION

This product contains the following toxic chemicals subject to the reporting requirements of SARA 313 of the Emergency Planning & Community Right-to-Know Act of 1986 & of 40CFR 372:

Methylene Chloride 75-09-2 30-60

CALIFORNIA (Prop 65):

Methylene Chloride 75-09-2 15-40

FL, MN, MA, NJ:

Methylene Chloride 75-09-2 15-40

CANADA: WHMIS Class A, Class B, Class D

Methylene Chloride 75-09-2 15-40

SECTION X - PREPARATION INFORMATION

PREPARED BY	DATE	REVISION #	SUPERSEDES ALL PREVIOUS PUBLICATIONS
R & D Group	6 June 2002	# 7	

NOTICE

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