

000650

TREMCO

10701 SHAKER BOULEVARD CLEVELAND, OHIO 44104 MATERIAL SAFETY DATA SHEET TELEPHONE: (216) 292-5000 EMERGENCIES: (216) 765-6727 8:30-5:00 EST AFTER HOURS: CHEMTREC (800) 424-9300

SECTION I

Order Code: 046500 040
Order Desc: 1 GL CN TREMPLY LAP ADHESIVE 10/U WT 14#

Trade Name: TREMPLY LAP ADHESIVE
Code Number: 046-500-996
Product Class: ADHESIVE
Additional Components: NONE
Prepared By: F. L. Miller
Date: 1-Jun-1989
REPLACES: 16-Feb-1989

DOT Proper Shipping Name: NOT REGULATED
DOT Hazard Class: N/A
DOT UN/NA Number: N/A
TSCA Status: OK

SECTION II - HAZARDOUS COMPONENTS

CHEMICAL or COMMON NAME CAS Number (symbols explained below)	MAX. WT. %	EXPOSURE LIMITS	
		TWA	STEL
TRICHLOROETHYLENE 79-01-6 +	87.5	OSHA 50 ppm ACGIH 50 ppm	200 ppm 200 ppm
RESIN N/A #	5	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (total dust) - (total dust)
1,2-BUTYLENE OXIDE 106-88-7 +	0.7	OSHA - ACGIH -	- -
PROPYLENE OXIDE 75-56-9 *+	0.15	OSHA 20 ppm ACGIH 20 ppm	- -

- Specific chemical identity is being withheld as a trade secret.
* - Indicates IARC, NTP, or OSHA carcinogen.
+ - Specific chemical is listed in SARA-313; shown at typical percentage.

Other: One or more ingredients in this formulation are listed on the California Proposition 65 list of chemicals. The listing of ingredient(s) above is in compliance with the federal Hazard Communication Standard (29 CFR 1910.1200) requirements. Ingredients below de minimis concentrations, or not considered hazardous under the Standard, are generally excluded.

SECTION III - PHYSICAL DATA

Weight/Gallon: 12.1#
Specific Gravity: 1.45
pH (Aqueous): N/A
% Volatile By Wt: Max. 90
Physical State: Liquid
Vapor Pressure: Not Establ.
Vapor Density (Air = 1): >1
Solubility in Water: Negligible
Evaporation Rate (ETHER=1): >1
Odor: Pungent
Melting Point: N/A
Boiling Point: N/A
Softening Point: N/A
Freezing Point: N/A
Color: White

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (F): N/A
LEL (Lower Explosion Limit): 8% (solvent)
Auto-ignition Temperature: Not Established
EXTINGUISHING MEDIA: Water fog.
Method: N/A
UEL (Upper Explosion Limit): 10.5% (solvent)
Decomposition Temperature: Not Established

UNUSUAL PRODUCTS OF IGNITION: Hydrogen chloride, phosgene can form.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near container (even empty). Product, residue or vapor may ignite. See section IX for additional precautions.
SPECIAL FIREFIGHTING PROCEDURES: During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

EYE CONTACT - Can cause irritation, redness, tearing.
SKIN CONTACT - Can cause irritation, dermatitis.
SKIN ABSORPTION - N/A
INHALATION - Can cause headache, dizziness, irritation to respiratory system, possible unconsciousness and asphyxiation.
INGESTION - Can cause gastrointestinal irritation, vomiting and diarrhea. Aspiration into the lungs can cause chemical pneumonitis which can be fatal.

EMERGENCY AND FIRST AID:

IF ON SKIN - Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
IF IN EYES - Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.
IF INGESTED - Get medical attention immediately.
IF INHALED -

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None Known.

POTENTIAL EFFECTS OF LONG-TERM OR CHRONIC EXPOSURE:

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Overexposure to trichloroethylene may adversely affect the liver, brain, lung, spleen, kidney and cause anemia, central nervous system depression, possible peripheral nervous system effects. Alcohol consumption may make trichloroethylene overexposure symptoms worse. Trichloroethylene may cause malignant tumors in laboratory animals; however there is no evidence that trichloroethylene poses a carcinogenic risk to humans.

OTHER HEALTH HAZARD DATA:

Overexposure to propylene oxide presents a possible cancer risk based on laboratory animal test data. Butylene oxide has been shown to produce tumors in rats but not mice following exposures at high concentrations. There is no evidence of carcinogenic risk to man.

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

STABILITY: Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.

INCOMPATIBILITY: Avoid contact with strong bases and oxidizing agents, metallic aluminum, magnesium, galvanized coatings and zinc powders.

SECTION VII - SPILL OR LEAK PROCEDURES

CLEAN-UP:

Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

WASTE DISPOSAL METHOD:

Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

EPA HAZARDOUS WASTE NUMBER: F002

EPA REPORTABLE QUANTITY: 1000#

NATIONAL EMERGENCY RESPONSE CENTER: 800-424-8802 OR 202-426-2675

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

VENTILATION:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the TLV.

RESPIRATORY PROTECTION:

Use appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant level(s) exceed the TLV. Follow manufacturer's directions for respirator use.

SKIN PROTECTION:

Protect hands with impervious rubber gloves. Prevent contact with skin. Gloves must be checked before each use for signs of degradation and penetration and for proper functioning.

EYE PROTECTION:

Chemical splash goggles.

FACE PROTECTION:

Face shield is recommended.

OTHER PROTECTIVE EQUIPMENT:

Rubber apron and overshoes.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

STORAGE, HANDLING AND APPLICATION:

Store under normal warehouse conditions below 80F. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Precautions also apply to emptied containers.

PRECAUTIONS FOR REPAIR AND MAINTANENCE OF CONTAMINATED EQUIPMENT:

Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

OTHER:

To avoid the possibility of violent reaction, do not use equipment containing aluminum components or galvanized coating. Do not smoke, generate sparks or use flame near container.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION OF THE USER, SUBJECT TO HIS OWN INVESTIGATION AND VERIFICATION OF COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE CONDITION.

CODE NUMBER: 046-500

MSDS ISSUE DATE: 1-Jun-1989

09/06/89

TREMCO INC.
3735 GREEN ROAD
BEACHWOOD, OH 44122

MTC

SYRACUSE CITY SCHOOL DIST
CENTRAL OFFICE
725 HARRISON ST
SYRACUSE, NY

13211-0000

Subject: MATERIAL SAFETY DATA SHEETS

Dear Customer:

Enclosed are Material Safety Data Sheets (MSDS's) which provide information on the products you recently ordered. Please ensure that this information is available to all persons handling or using these products. Please use these current versions to replace any previous versions you may have received.

These MSDS'S have been forwarded to your customer billing address. Additional addresses such as the shipping address, building owners and occupants addresses or others may receive them upon request.

The distribution of these sheets is part of a continuing program providing current health and safety information to our customers. The regulations promulgated by OSHA for Hazard communication at 29 CFR 1910.1200 as well as other federal, state and local laws and regulations have been considered in preparing these MSDS's.

Should you require any additional assistance please contact us at 216/292-5000.

Thank you for your order.

Very truly yours,

JON P. HELLERSTEIN
Industrial Hygienist
Hazard Communication Manager