

MATERIAL SAFETY DATA SHEET

MSDS Name: PL(tm) TURBO ADHESIVE 20gr 1 part Polyurethane
MSDS Number: P73946700
Version Number
Revision Date: JAN-12-2006
Page Number: 1

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: PL(tm) TURBO ADHESIVE 20gr 1 part Polyurethane
HMIS Hazard Rating: Health: 2 Fire: 1 Reactivity: 1 PPE: B

Company Identification: HENKEL CONSUMER ADHESIVES
7405 PRODUCTION DRIVE
MENTOR OH 44060

Contact (24 hour): Customer Affairs (800)321-0253
Information phone/Fax: (440) 255-8900 / (440) 974-8358
CHEMTREC Emergency (24 hour): (703) 527-3887 (International)
(800) 424-9300
in Canada CANUTEC 613-996-6666

Product Class POLYURETHANE ADHESIVE
Trade Name PL-BRANDS
Product Code as above-

SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredient Name	CAS Number	Percent	TSCA
4,4' Diphenylmethane Diisocyanate	101-68-8	25 - 40	Y
Dimorpholinodiethyl ether	6425-39-4	5 - 10	Y

Ingredient Notes:
Remaining ingredients are not considered OSHA hazardous.

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid
Appearance/Color: tan
Solubility (in water): Reacts with water
pH Value, +/- .3: Not Applicable
Boiling Range: Over 350.°F (176.67°C)
Vapor Pressure (mmHg): Not Available
Evaporation Rate: Unavailable

Vapor Density:
% Volatile, Weight Not Available
% Volatile, Volume Not Available

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Specific Gravity: 1.10123
VOC (less H2O or exempt) 0 Gr/l

SECTION IV - FIRE FIGHTING MEASURES (Flash,UEL,LEL for solvent only)

Flammability Class IIIIB
Flash Point: Over 300.°F (148.89°C)
Pensky-Martens Closed Cup ASTM D 93
Explosive Range (LEL/UEL): Not Applicable

EXTINGUISHING MEDIA:

Carbon Dioxide---Dry Chemical---Foam--Sand

SPECIAL FIRE-FIGHTING PROCEDURES:

Use self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Water may be unsuitable except as a cooling agent.
Use fog nozzle. Any closed container may rupture when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY:

ENTRY THROUGH...

Inhalation? Yes | Skin? Yes | Ingestion? Yes

TARGET ORGANS...

Overexposure -- Diphenylmethane Diisocyanate: Skin, Eyes

CARCINOGENICITY...

NTP? N/E | IARC Monographs? N/E | OSHA? NO

EFFECTS OF OVEREXPOSURE

Eyes: Can cause irritation, redness, tearing and blurred vision.
Skin: Repeated contact can cause moderate irritation, dermatitis and possible sensitivity. Allergic reactions are possible.
Inhalation: Headaches, dizziness, nausea, decreased blood pressure, irritation, coughing, chest discomfort. See CHRONIC below.
Ingestion: Can cause gastrointestinal irritation, nausea.

FIRST AID MEASURES

Eyes: Flush with large amounts of water for at least 15 minutes lifting eyelids occasionally; get prompt medical attention
Skin: Wash thoroughly with soap and water; apply a mild skin cream. Remove contaminated clothing. Rubbing alcohol may help to remove uncured adhesive.
Cured adhesive may take several days to wear off.
Inhalation: Remove affected person to fresh air.
Ingestion: Get medical attention if ill effects develop.

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CHRONIC HAZARDS

CHRONIC HAZARDS: Preexisting respiratory or skin conditions may be aggravated by exposure. This product contains an isocyanate. Skin and respiratory sensitization can result from repeated exposures to isocyanates. For most individuals these effects are reversible. Persons previously sensitized to isocyanates may experience an allergic respiratory reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure. Allergic response may be delayed several hours after exposure. Seek immediate medical attention. If known allergy, do not use this product

SECTION VI - STABILITY AND REACTIVITY

Stability: Product is stable under normal storage conditions
Hazardous Polymerization: Will not occur under normal conditions

INCOMPATIBILITY:

Keep away from alcohols, amines, alkalies, acids, and water contamination.

CONDITIONS TO AVOID:

Keep away from extreme heat.
Product cures in contact with water.

HAZARDOUS DECOMPOSITION PRODUCTS:

Will produce fumes and smoke containing carbon monoxide and dioxide and nitrogen oxides and hydrogen cyanide under fire conditions.

SECTION VII - ACCIDENTAL RELEASE AND DISPOSAL MEASURES:

STEPS TO BE TAKEN IN CASE OF SPILL:

Ventilate confined areas. (Open windows and doors)
Cover with absorbent, scoop into sealable safety container.
Wear protective clothing.

WASTE DISPOSAL METHOD:

Dispose of following local, state, and federal regulations.
Cured material can be disposed of as household waste.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
4,4' Diphenylmethane Diisocyanate	N/est	0.01 PPM	N/est	N/est	0.02 PPM

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Dimorpholinodiethyl ether
N/est N/est N/est N/est N/est

RESPIRATORY PROTECTION:
If TLV of the product is exceeded, wear NIOSH/MSHA jointly approved respiratory protection in the absence of proper ventilation. Follow applicable OSHA regulations.

VENTILATION:
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV. Ventilate during application and curing of this product.

PROTECTIVE CLOTHING:
Rubber gloves should be worn.
Cover arms and legs to minimize exposure.

EYE PROTECTION:
Eye protection should be worn.

HANDLING AND STORAGE PRECAUTIONS:
Avoid contact with water, open and handle with care
Keep container tightly closed when not in use
Wash skin thoroughly after use.
Avoid contact with eyes, skin or clothing.
KEEP OUT OF REACH OF CHILDREN

SECTION IX - TRANSPORT INFORMATION: (not all sizes available)

GROUND TRANSPORT (DOT) - DOMESTIC
Adhesive, Non-regulated

AIR TRANSPORT (DOT) - DOMESTIC
Adhesive, Non-regulated

AIR TRANSPORT (IATA) - INTERNATIONAL
Adhesive, Non-regulated

MARINE - OCEAN TRANSPORT (IMDG)
Adhesive, Non-regulated

SECTION X - REGULATORY INFORMATION:

SARA TITLE III SECTION 313:
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name CAS Number Percent

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4,4' Diphenylmethane Diisocyanate 101-68-8 25 - 40

The material fits the EPA Hazard Category definition of Immediate (Acute) and Delayed (Chronic) health hazards under SARA Sections 311, 312.
California PROP.65 Chemicals: none known

DISCLAIMER:

The information contained herein is based on data available as of the date of preparation of this MSDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method, apparatus mentioned, and user must make his own investigation to determine the suitability of the information or products for his particular purpose, for the protection of the environment, and the health & safety of the users of this material.