



Material Safety Data Sheet

Date prepared: 25 November, 2006

SECTION 1) IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name: Tapset Adhesive **Distributor:** TapSet Corporation **Telephone:** 810-299-2911
Product Type: Polyurethane Adhesive 23390 Airpark Blvd **Fax:** 810-299-2818
Calumet, MI 49913

For **Product use related questions** contact 1-810-299-2818 between 8:00 AM and 5:00 PM EST or visit www.tapset.com.

Medical Emergencies only: 1-800-983-4586

SECTION 2) COMPOSITION

Chemical name	%	CAS#
4-4' Diphenylmethane-Diisocyanate	20-30	101-68-8
Modified MDI	50-90	Trade secret
Other	5-10	Trade secret

SECTION 3) HAZARDS IDENTIFICATION

While unlikely due to the extremely small quantities used with this product, vapors from the product may be irritating to the eyes, respiratory system and skin. The MDI in the product is a strong sensitizer and may cause possible allergic reaction. Skin or eye contact may cause sensitization.

SECTION 4) FIRST AID MEASURES

Skin Contact – Remove contaminated clothing immediately and wash contaminated skin thoroughly with soap and water. If corn oil is available wash with the oil first then wash with soap and water.

Eye Contact – Immediately flush eyes with running water for 15 minutes while keeping eyelids open. Seek immediate medical Attention.

Inhalation – Move affected individual to fresh air administer oxygen and artificial respiration as necessary. Seek medical attention if problem persists.

Ingestion – Do not induce vomiting. Providing the patient is conscious, wash mouth out with water. Obtain immediate medical attention.

SECTION 5) FIRE FIGHTING MEASURES

Ignition Temperature: > 800°F / 430°C

Recommended Fire Fighting Media: Dry chemical, CO₂ or Foam

Flash Point: > 230°F / 110°C

Products of Combustion: Carbon Monoxide, Carbon Dioxide, Nitrous Oxide, HCN

Flammable Limit Upper: Not determined

Protective Clothing for Fire: Full face self contained breathing apparatus

Flammable Limit Lower: Not determined

Comments: Stay out of fumes and smoke.

SECTION 6) ACCIDENTAL RELEASE MEASURES

The packaging with which these chemical is contained is of such small quantity that accidental releases should be moistened with a water mist, allowed to cure and then discarded as non hazardous waste in an environmentally friendly manner.

SECTION 7) HANDLING AND STORAGE

Handling: Avoid skin and eye contact wear gloves and eye protection when installing.

Storage: Keep product in its original sealed package and store between 32°F/0°C and 100°F/38°C. Avoid prolonged heating over 100°F/38°C.



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SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Preventive measures: Due to the design of this product, the amount of MDI in each product, and its intended use engineered ventilation measures are not expected to be required.

Personal Protection: Wear gloves and eye protection.

Product Name

4,4-Diphenylmethane Diisocyanate

Exposure Limits

ACGIH TLV-0.05 mg/m³ 8 hour, 40 hours/week

OSHA PEL - 0.20 mg/m³

NIOSH REL/TWA - 0.05 mg/m³ 10 hour, 40 hours/week

NIOSH REL/Ceiling - 0.20 mg/m³ 10 minute

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

PH: Not applicable

Vapor pressure: => 1 (air = 1)

Color: Light amber

Boiling Point: > 572°F / 300°C

Specific Gravity: 1.1 (Water = 1)

Odor: Slightly musty

Percent volatile: 0%

Flash Point: > 230°F / 110°C

Solubility in water: Reacts

SECTION 10) STABILITY AND REACTIVITY

Stability: The product is stable under the recommended handling and storage conditions.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Nitrous Oxide, HCN

Incompatibility with various substances: Not available

Hazardous polymerization: This product, as packaged, is not expected to present a hazardous polymerization situation.

SECTION 11) TOXICOLOGICAL INFORMATION

Toxicity to Animals: LD50 Rat Oral: >5000 mg/kg

Carcinogenicity: TapSet Adhesive, with the exception of unavoidable ubiquitous traces does not contain any substances currently classified by EU Council Directive 67/548/EEC, its amendments and adaptations to technical progress, as a carcinogen category 1, 2 or 3. The ingredients are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.

Inhalation: May cause irritation of the mucus membranes of nose, trachea, or throat.

Eye contact: The vapor, aerosol, and liquid are irritants.

Skin Contact: Repeated and/or prolonged contact may cause skin sensitization.

Ingestion: May cause irritation of the gastrointestinal tract. Based on the acute oral LD50 this product is considered practically non-toxic by ingestion.

Medical information: Symptomatic treatment.

SECTION 12) ECOLOGICAL INFORMATION

Ecotoxicity: Polymeric MDI. LD50 (Zebra Fish) >1000 mg/l . EC50 (Daphnia magna) (24 hour) > 100 mg/l EC50 (E. Coli) > 100 mg/l

SECTION 13) DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state, provincial and/or national regulations. The small quantities such as those contained in a TapSet should be moistened allowed to cure and disposed of as non-hazardous waste.

SECTION 14) TRANSPORTATION INFORMATION

This product is not classified as hazardous material for transport by DOT, TDG, IMO, IMDG, ICAO or IATA.



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SECTION 15) REGULATORY INFORMATION

US Federal Regulations: The TapSet Adhesive is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

HCS Classification: Toxic material, Irritating Material, Sensitizing Material

Some components of this adhesive are listed on the TSCA 8(b) inventory:

Hazard designation Xn - Harmful
Contains: 4-4' Diphenylmethane-Diisocyanate (MDI), isomere
R-phrases 20 – Harmful by inhalation
36/37/38 – Irritating to eyes, skin and respiratory system.
42/43 – May cause sensitization by inhalation and skin contact.
S-phrases 23 – Do not breathe gas/fumes/spray/vapor.
36/37 – Wear protective clothing and gloves.
45 – In case of accident or if you feel unwell seek medical advice immediately.

EPRCA Section 313 (40 CFR 372): Diisocyanate Compounds (Category Code N120) < 25%

California Prop 65: No ingredients listed

Canadian Regulations (WHMIS): Class D-1A: Material causing immediate and serious toxic affects (VERY TOXIC)
Class D-2A: Material causing other toxic affects (VERY TOXIC)
Class D-2B: Material causing other toxic affects (TOXIC)
CEPA: DSL/NDSL: some ingredients listed

SECTION 16) OTHER INFORMATION:

The data contained in this document is presented in good faith and believed to be accurate as of the effective date given. It is the buyers responsibility to ensure that it's activities comply with federal, state, provincial and local laws.