

MATERIAL SAFETY DATA SHEET



I. PRODUCT IDENTIFICATION

Name: Bruce Equalizer Adhesive

Description: Urethane Adhesive

II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not Classified Hazard Class: N/A

ID #: N/A Packing Inst.: N/A DOT/IMO/IATA: N/A

EMERGENCY ONLY CONTACT: CHEM-TEL 1-800-255-3924

III. HMIS (0=minimal hazard; 4 = severe hazard)

Health = 2 Flammability = 1 Reactivity = 1

IV. PRODUCT CONTENT

This product contains 4,4-diphenylmethane diisocyanate which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on the TSCA inventory. This product does NOT contain asbestos.

V. HAZARDOUS INGREDIENTS

<u>(Chemical Identity; Common Name)</u>	<u>C.A.S. No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
4,4 diphenylmethane diisocyanate	101-68-8	~1	As MDI 0.02 ppm (ceiling)	As MDI 0.005 ppm
aliphatic petroleum distillates	64742-68-8	~4	500 ppm	

VI. PHYSICAL DATA

APPEARANCE AND COLOR: Brown mastic. ODOR: Mild solvent odor. BOILING POINT (degrees F): N/A. MELTING POINT (mm Hg at 20°C): N/A. VAPOR PRESSURE: N/A. VAPOR DENSITY: N/A. % VOLATILE BY WEIGHT: 4% SOLUBILITY IN WATER: Negligible. SPECIFIC GRAVITY: 1.49. EVAPORATION RATE (butyl acetate = 1): Slower than butyl acetate. pH: N/A. VOC: 65 g/l calculated at 70°F/21°C, SCAQMD.

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Above 200°F. FLAMMABILITY RANGE: LEL: N/A; UEL: N/A. AUTOIGNITION TEMPERATURE: N/A. EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or water spray. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers in a fire may rupture due to pressure build-up; use water to cool containers to prevent this.

VIII. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation, ingestion, and direct dermal exposure. TARGET ORGANS: Upper respiratory tract, skin, eyes. EFFECTS OF OVEREXPOSURE: SKIN AND EYE CONTACT: Primary hazard is contact with skin and eyes which may cause irritation and dermatitis; sensitization may also occur – once sensitized, an adverse reaction can occur with exposure to small amounts by either vapor or direct contact. INHALATION: Irritating effects through inhalation have not been known to occur at room temperatures. At high temperatures, the material may cause nose and throat irritation. CARCINOGENICITY: NTP: No. IARC Monographs: No. OSHA Regulated: No. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/K. FIRST AID PROCEDURES: EYES: Upon eye contact, flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist. SKIN: Upon skin contact, flush with cool water, then wash with soap and water. Get medical attention if symptoms persist. INHALATION: Remove to fresh air. Get medical attention if symptoms persist. INGESTION: Do not induce vomiting, call a physician or Poison Control Center.

IX. REACTIVITY DATA

STABILITY: Stable. INCOMPATIBILITY: Water, acids, bases, alcohols, metal compounds. HAZARDOUS DECOMPOSITION PRODUCTS: Excessive heating can produce isocyanate

vapor, mist and other hazardous compounds. HAZARDOUS POLYMERIZATION: Will not occur.

X. SPILL OR LEAK PROCEDURES

SPILLS: Ventilate area of spill or release. Contain spill, preventing it from entering sewer lines or waterways. Use absorbent to assist with the pick-up of material. Scrape up product and place into container. WASTE DISPOSAL METHOD: Do not reuse container. Dispose of container and any unused contents in accordance with Federal, State and Local Waste Disposal Regulations. Do not flush unused contents or residue down drains.

XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: Local mechanical ventilation should be provided where material is used. During use, ventilate area to insure vapors do not reach breathing zone. RESPIRATORY PROTECTION: Should not be needed with adequate ventilation. If there is not adequate ventilation, use with a NIOSH approved organic vapor cartridge respirator. SKIN AND EYE PROTECTION: During the use of this product, impervious gloves and eye protection should be used to prevent skin and eye contact.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in an area suitable for combustible mixtures, below 90°F. KEEP OUT OF REACH OF CHILDREN. OTHER PRECAUTIONS: None. WORK SITE ENVIRONMENT: Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. Therefore you should advise the building manager or other appropriate person that:
• It will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other parts of the building; and
• Persons who are sensitive to odors and/or chemicals should be advised to avoid the work area during this process.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A - not applicable or not available

N/K - none known or not known

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