

MATERIAL SAFETY DATA SHEET

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: D.L.M. Adhesive
PRODUCT NUMBER: 22-67



MON-ECO INDUSTRIES, INCORPORATED

TRADE NAME: D.L.M. Adhesive
GENERAL USE: Adhesive
CHEMICAL FAMILY: Water Based Adhesive
MANUFACTURER

Mon-Eco Industries, Inc.

TELEPHONE NUMBER (General Inquiries)
732-257-7942

ADDRESS (NUMBER, STREET, P.O. BOX)
5 Joanna Ct

(CITY, STATE AND ZIP CODE)
East Brunswick, NJ 08816

COUNTRY
USA

PRODUCT DESCRIPTION:
Thick liquid, mild odor.

EFFECTIVE DATE: 01 February 2011

DATE OF EXPIRATION: 31 January 2014

SUPERSEDES DATE: 03 April 2008

CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS



1-800-255-3924
North America
(Toll Free)

813-248-0585
International
and Local Calls

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Product may be a slight irritant to eyes and skin. Ingestion may result in gastro-intestinal distress. Product is non-flammable and poses low acute toxicity. Product is minimally harmful to aquatic environments; do not dispose of product in bodies of water.

US / CANADA HAZARD SYMBOL(S)

None

EUROPEAN (GHS) HAZARD SYMBOLS

None

HMIS HAZARD RATINGS

0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE
3 = HIGH, 4 = EXTREME
* - CHRONIC HEALTH HAZARD

HEALTH:

0

FLAMMABILITY:

0

PHYSICAL HAZARD:

0

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:

HMIS PERSONAL PROTECTIVE
EQUIPMENT LETTER:

B



Safety glasses and gloves are suggested for general handling.

RISK PHRASES

None.

SAFETY PHRASES

None.

POTENTIAL HEALTH EFFECTS

ACUTE EXPOSURE EFFECTS

INHALATION:

Inhalation unlikely due to thick liquid physical form of product. Overexposure may result in headache and dizziness and/or drowsiness.

SKIN:

May cause mild skin irritation.

EYES:

May cause mild to moderate eye irritation.

INGESTION:

Causes gastrointestinal distress if ingested, with nausea and vomiting.

CHRONIC EXPOSURE EFFECTS

None.

CARCINOGENICITY:

IARC - no listings
California Proposition 65 - Yes

NTP - no listings.
ESIS - no listings.

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| PRODUCT NAME: | | D.L.M. Adhesive | | | |
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| SECTION 3 - HAZARDOUS INGREDIENTS | | | | | |
| Hazardous Components | %(by Weight) | CAS # | EINECS # | Hazard Symbol | RISK PHRASES (Full Text Section 2) |
| No hazardous ingredients are present in this product. | | | | | |
| <p>NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.</p> | | | | | |
| SECTION 4 - FIRST AID MEASURES | | | | | |
| <p>INHALATION: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get emergency medical aid for rare cases of breathing difficulty or cessation, or where victim is not conscious and alert to surroundings.</p> | | | | | |
| <p>EYES: Remove contact lenses if present. Immediately flush eyes with plenty of potable water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation is severe or persistent, consult a physician.</p> | | | | | |
| <p>SKIN: Wash affected areas with soap and warm water. Get medical aid if irritation develops or persists.</p> | | | | | |
| <p>INGESTION: DO NOT INDUCE VOMITING!!! If victim is conscious and alert to surroundings, rinse mouth thoroughly and drink 1-2 glasses of water. Seek emergency medical attention immediately.</p> | | | | | |
| SECTION 5 - FIRE FIGHTING MEASURES | | | | | |
| DATA RELATED TO FIRE: | | | | | |
| FLASH POINT: | | None to boiling point. | | AUTO-IGNITION TEMPERATURE: NA | |
| FLAMMABLE/EXPLOSIVE LIMITS: | | LOWER: | | NA | UPPER: NA |
| SENSITIVITY TO MECHANICAL IMPACT/ STATIC DISCHARGE: NONE | | | | | |
| <p>GENERAL HAZARDS: Not combustible.</p> | | | | | |
| <p>SUITABLE EXTINGUISHING MEDIA: Water Spray, Foam, CO2, Dry Chemical - as appropriate to fight surrounding fire.</p> | | | | | |
| <p>UNSUITABLE EXTINGUISHING MEDIA: None.</p> | | | | | |
| <p>FIRE FIGHTING PROCEDURES: Firefighters must wear a self contained breathing apparatus and full chemical firefighting gear when fighting chemical fires. Water may be used to cool off fire-exposed containers to prevent rupture.</p> | | | | | |
| <p>UNUSUAL FIRE AND EXPLOSION HAZARDS: Heated containers may rupture and release contents, forming a potentially slippery surface.</p> | | | | | |
| <p>HAZARDOUS COMBUSTION PRODUCTS: Carbon, nitrogen, and hydrogen chloride.</p> | | | | | |
| SECTION 6 - ACCIDENTAL RELEASE MEASURES | | | | | |
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: | | | | | |
| <p>Cleanup personnel should wear Personal Protective Equipment. For small spills, wipe and clean up spill; place towels in general waste container. For large spills, absorb with inert material (vermiculite, sand, diatomaceous earth) and place in waste container. Dispose of used absorbent in a licensed and permitted facility, preferably by incineration with exhaust scrubbers being used. Avoid contamination of waterways, sewers etc with this product.</p> | | | | | |
| SECTION 7 - HANDLING AND STORAGE | | | | | |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: | | | | | |
| <p>Handle product while wearing Personal Protective Equipment and provide adequate ventilation. Avoid contact with eyes. Avoid excess temperatures. Keep out of reach of children. Store in a tightly closed container away from incompatible materials. Do Not Freeze!</p> | | | | | |

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| PRODUCT NAME: D.L.M. Adhesive | | | |
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| SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION | | | |
| Component | CAS # | ACGIH Exposure Limits (mg/m ³ unless otherwise noted) | OSHA Exposure Limits (mg/m ³ unless otherwise noted) |
| No ingredients are present for which exposure controls have been established. Non-hazardous product. | | | |
| PERSONAL PROTECTION | | | |
| RESPIRATORY PROTECTION: For spraying operations or when ventilation is insufficient, a dust respirator is recommended in order to prevent inhalation of particulate matter. Follow OSHA/NIOSH guidelines in choosing a respirator. | | | |
| PROTECTIVE GLOVES: Wear gloves made of chemically resistant material such as nitrile or neoprene. | | | |
| EYE PROTECTION: Wear safety glasses with splash protective side shields or goggles. | | | |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required. | | | |
| ENGINEERING CONTROLS: Provide general ventilation sufficient to control airborne concentration below the TLV/TWA's listed. | | | |
| WORK / HYGIENIC PRACTICES: Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use. Dispose of contaminated leather footwear. | | | |
| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES | | | |
| APPEARANCE AND ODOR Thick liquid, mild odor. | | VAPOR PRESSURE 17 mm Hg | |
| ODOR THRESHOLD Not Established | | SPECIFIC GRAVITY (WATER = 1) 1.25 g/ml | |
| FREEZING / MELTING POINT <32°F / <0°C | | BOILING POINT 212°F / 100°C | |
| SOLUBILITY IN WATER Dilutable when wet | | COEFFICIENT OF WATER / OIL DISTRIBUTION Not Determined | |
| pH Not Determined | | SOLUBILITY IN ORGANIC SOLVENTS Variable - dependent upon solvent | |
| FLASH POINT None to boiling point. | | VISCOSITY Not Determined | |
| FLAMMABLE LIMITS LEL: NA UEL: NA | | VAPOR DENSITY (AIR = 1) >1 | |
| AUTOIGNITION TEMPERATURE NA | | EVAPORATION RATE (Water = 1) ~1 slow. | |
| VOLATILE ORGANIC COMPOUND (VOC) INFORMATION 0.04 Lbs./Gal or 5 grams/liter. | | | |
| NOTES: None | | | |
| SECTION 10 - STABILITY AND REACTIVITY | | | |
| STABILITY: Stable under normal conditions | | CONDITIONS TO AVOID: excess heat, incompatible materials. | |
| INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, water-reactive substances, strong mineral acids (sulfuric, nitric, perchloric, etc.) | | | |
| HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon, nitrogen oxides; hydrogen chloride. Under fire conditions only. | | | |
| HAZARDOUS POLYMERIZATION: Will not occur | | CONDITIONS TO AVOID: None related to hazardous polymerization | |

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| PRODUCT NAME: D.L.M. Adhesive | |
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| SECTION 11 - TOXICOLOGICAL INFORMATION | |
| Complete Product | |
| Oral LD₅₀ | LD50 is unknown, but overall toxicity is expected to be low. |
| Dermal LD₅₀ | Not known - product may be slightly irritating by contact with skin. |
| Inhalation LC₅₀ | Not known - wear dust mask/respirator to avoid particulate matter from spraying operations. |
| Irritation / Sensitization | Potential chemical and mechanical irritant to eyes and respiratory tract; may cause slight dermal irritation. |
| Carcinogenicity | Not known |
| Mutagenicity | Not known |
| Reproductive Toxicity | Not known |
| Teratogenicity | Not known |
| Product Components | |
| Component | CAS # |
| | LD50 of Ingredient (Oral, Rat - unless otherwise specified) |
| | LC50 of Ingredient (Inhalation, Rat - unless otherwise specified) |
| No toxicological data is available or applicable to this non-hazardous product. | |
| SECTION 12 - ECOLOGICAL INFORMATION | |
| Product may pose slight risk to aquatic environments. Do not release into bodies of water. | |
| SECTION 13 - DISPOSAL CONSIDERATIONS | |
| WASTE DISPOSAL METHOD: Place in an appropriate disposal facility in compliance with all local, state, and federal regulations. User is responsible for compliance with all laws and regulations. US EPA Waste Numbers: None. | |
| SECTION 14 - TRANSPORT INFORMATION | |
| PROPER SHIPPING NAME: Not regulated for transport | |
| DOT HAZARD CLASS / Pack Group: None | IATA HAZARD CLASS / Pack Group: None |
| REFERENCE: 49CFR, IATA, IMDG | IMDG HAZARD CLASS: None |
| UN / NA IDENTIFICATION NUMBER: None | RID/ADR HAZARD CLASS: None |
| LABEL: None | ADR CLASSIFICATION: None |
| HAZARD SYMBOLS: None | ADR EMERGENCY ACTION CODE: None |
| | Hazard Identification Number (HIN): None |
| | TDG Class / Pack Group: None |
| Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping. | |
| SECTION 15 - REGULATORY INFORMATION | |
| TSCA (USA - Toxic Substance Control Act): Components Listed on the TSCA inventory. | |
| SARA TITLE III (USA - Superfund Amendments and Reauthorization Act): | |
| Acute Health: NO | Chronic Health: NO |
| Fire: NO | Sudden Release of Pressure: NO |
| Reactive: NO | |
| SARA 313 REPORTABLE INGREDIENTS: None. | |
| CERCLA (USA - Comprehensive Response Compensation and Liability Act): No RQ for product. | |
| State Right to Know Laws: Titanium Dioxide is on the right-to-know lists of CA, MA, MN, NJ, and PA. | |
| California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: This material may contain chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5). | |

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SECTION 15 - REGULATORY INFORMATION (Continued)

CPR (Canadian Controlled Products Regulations): **This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. WHMIS Classifications: None**

IDL (Canadian Ingredient Disclosure List): **None listed.**

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Components listed on the DSL.**

EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**

WGK Water Quality Index: **1**

EU RISK PHRASES

None

EU SAFETY PHRASES

None

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH American Congress of Government Industrial Hygienists
 CAS Chemical Abstracts Service
 EINECS European Inventory of Existing Commercial Chemical Substances
 HMIS Hazardous Materials Identification System
 IARC International Agency for Research on Cancer
 NA Not Available ND Not Determined
 NE Not Established NR Not Reported
 NIOSH National Institute for Occupational Safety and Health
 NTP National Toxicology Program
 OSHA Occupational Safety and Health Administration

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.