
MATERIAL SAFETY DATA SHEET

MON-ECO INDUSTRIES, INC.
5 JOANNA COURT
EAST BRUNSWICK, NJ 08816-2108
PHONE: 732-257-7942
FAX: 732-257-6525

I. GENERAL INFORMATION

DATE: August 1, 2002
SUPERCEDES: March 6, 1998
MON-ECO CODE: **22-22**
TRADE NAME & SYNONYMS: **Eco-Spray Adhesive**
CHEMICAL FAMILY: Solvent Based Adhesive
PROPER DOT SHIPPING NAME: Adhesive Containing Flammable Liquid, 3, PG II.
DOT HAZARD CLASSIFICATION: UN 1133
FOR EMERGENCY CONTACT CHEM-TEL, INC. 1-800-255-3924

II. INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENTS CAS# THRESHOLD LIMIT VALUE		
Toluene	12.5% by wt.	108-88-3 100 ppm
Hexane	55.5% by wt.	110-54-3 50 ppm

These chemicals are subject to the reporting requirements of Section 313 of SARA Title III. OSHA, NTP or IARC does not class the ingredients in this product as carcinogens. All ingredients in this product are on the TSCA Inventory.

HAZARD RATING: Health-2, Flammability-3, Reactivity-0

III. PHYSICAL DATA

BOILING POINT: 150°F
SPECIFIC GRAVITY (WATER=1): .77
VAPOR PRESSURE (mmHg.): 180
PERCENT VOLATILE: 68% by weight
VAPOR DENSITY (AIR=1): 3
EVAPORATION RATE(N-Butyl Aceate=1): 8
SOLUBILITY IN WATER: Not soluble.
APPEARANCE & ODOR: Amber colored syrup, mild odor.
VOLATILE ORGANIC CONTENT: 4.43 lbs/gal or 531 grams/liter

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): Tag closed cup. <0°F
FLAMMABLE LIMITS: LEL: 1.2%
UEL: 6.9%

EXTINGUISHING MEDIA: Foam, dry chemical CO₂, water fog or spray.
SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas. Avoid breathing of vapor or fumes.

(Continued)

22-22 MSDS

UNUSUAL FIRE & EXPLOSION HAZARDS: Heat may build up pressure in closed containers. Cool with water spray.

V. HEALTH HAZARD DATA

Permissible Exposure Level 50 ppm

Threshold Limit Value 50 ppm

Effects Of Acute Overexposure:

Eyes: can cause severe irritation, redness, tearing, blurred vision.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

Swallowing: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal.

First Aid:

If on skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

If in eyes: Flush with large amounts of water. Lifting upper and lower lids occasionally. Get medical attention.

If swallowed: Do not induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

If breathed: If affected remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.

Primary Route (S) of Entry:

Inhalation, skin contact.

Effects of Chronic Overexposure:

Prolonged or repeated exposure to N-Hexane may damage peripheral nerve tissue (that of the arms and legs) and result in muscular weakness and loss of sensation in the extremities (Peripheral Neuropathy). Methyl Ethyl Ketone may potentiate (shorten the time of onset) peripheral neuropathy caused by N-Hexane). Prolonged and repeated inhalation of high levels of mixed isomers of Hexane resulted kidney damage in male rats. The effects observed are the same of those seen in male rats exposed to other hydrocarbons. The mechanism by which these chemicals cause the characteristic kidney toxicity is unique to the male rat and the kidney effects are not expected to occur in man. Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans and may aggravate pre-existing disorders of these organs, central nervous system, and visual impairment.

22-22 MSDS

VI. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY:

MATERIALS TO AVOID: Strong oxidants like liquid chlorine.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION OF PRODUCTS: If burned, fumes could contain oxides of carbon and nitrogen.

VII. ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE: Remove all ignition sources. Keep people away. Recover liquid. Add absorbent sawdust, etc. Ventilate wipe up. Place in sealed containers,

WASTE DISPOSAL METHOD: Approved site. Obey local, state and federal regulations.

VIII. SPECIAL PROTECTION PROCEDURES

EYE PROTECTION: Splash goggles or safety glasses.

SKIN PROTECTION: Chemical resistant gloves.

RESPIRATORY PROTECTION (SPECIFIC TYPE): NIOSH approved dual cartridge respirator with cartridges suitable for organic solvent vapor.

VENTILATION RECOMMENDED: Adequate = to outdoors.

OTHER PROTECTION: Eye wash, safety shower.

IX. SPECIAL PRECAUTIONS

HYGIENIC PRACTICES IN HANDLING & STORAGE:

Flammable mixture. Do not store near heat, sparks or open flame. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapor or contact with skin. Do not take internally in an emergency call a physician. Keep out of reach of children.

X. SUPPLEMENTAL INFORMATION

WARNING: This product contains chemicals known to the State of California to cause birth defects or other reproductive harm.

Do not store with strong oxidants like liquid chlorine or concentrated oxygen.

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