

M A T E R I A L S A F E T Y D A T A S H E E T

M-444

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PRODUCT NAME: M - 444

HMIS CODES: H F R P
2 3 1 B

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SECTION I - MANUFACTURER IDENTIFICATION
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MANUFACTURER'S NAME: Slocum Adhesives Corp.
ADDRESS : 2500 Carroll Avenue
Lynchburg, VA 24501

EMERGENCY PHONE : 800-424-9300 (CHEMTREC) DATE PRINTED : 4/24/2007
INFORMATION PHONE : 434-847-5671 DATE REVISED : 04/24/07

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SECTION II - HAZARDOUS INGREDIENTS
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REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESS.	WT. %
* METHYL ETHYL KETONE OSHA PEL: 200 ppm ACGIH TLV: 200 ppm TWA	78-93-3	81.8	35 - 60%
Tetrahydrofuran OSHA PEL: 200 ppm ACGIH TLV: 200 ppm TWA	109-99-9	143.0	22 - 40%
Cyclohexanone OSHA PEL: 50 ppm ACGIH TLV: 25 ppm TWA	108-94-1	4.0	1 - 7%

*Indicates toxic chemical(s) subject to the reporting requirements of sec 313 of Title III.

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
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BOILING POINT (°F): 153 SPECIFIC GRAVITY: .9308
VAPOR DENSITY: Heavier than air. WEIGHT PER GAL: 7.7505 lb/gl
EVAPORATION RATE: Faster than nBuAc. SOLUBILITY IN WATER: Insoluble.
ODOR: Characteristic odor. APPEARANCE: White liquid.
VOLATILE (WT. %): 74.7573%

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT(°F): 6 METHOD USED: TCC
FLAMMABLE LIMITS IN AIR (% BY VOL): LOWER: 1.10 UPPER: 12.80

EXTINGUISHING MEDIA: Carbon dioxide, Dry chemicals, Foam.

SPECIAL FIREFIGHTING PROCEDURES

The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid extremes of heat or cold.

INCOMPATIBILITY (MATERIALS TO AVOID): Incompatible with alkali metals, halogens, and strong acids or bases.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION VI - HEALTH HAZARD DATA =====

ROUTES OF ENTRY:

Inhalation, skin absorption, ingestion.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (i.e. - headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue).

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause mild eye irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

This material may cause mild skin irritation. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.

CARCINOGENICITY: NTP CARCINOGEN: No.
IARC MONOGRAPHS: No.
OSHA REGULATED: No.
No special warnings.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES

SKIN: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If irritation develops, seek medical attention.

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE** =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Keep sources of ignition isolated from spill. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant and star upwind. Prevent material from entering sewers, storm drains, or other natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Immediate clean-up of any spill is recommended. Notify fire authorities and appropriate federal, state, and local agencies.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid extremes of heat or cold. Keep product containers closed when not in use. Use and store material in well-ventilated areas away from open flames, heat, hot metal surfaces, and other potential sources of ignition. Bond and ground equipment when transferring from one vessel to another. Store only in approved containers. Personal contact and inhalation should be avoided.

===== **SECTION VIII - CONTROL MEASURES** =====

RESPIRATORY PROTECTION: Use approved NIOSH respiratory protection if TLV is exce or if overexposure is likely.

VENTILATION: Mechanical ventilation.

PROTECTIVE GLOVES: Impermeable gloves.

EYE PROTECTION: Wear safety glasses or goggles to protect against exposure.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: May use impermeable apron as needed, eye washes, and safety showers.

===== **SECTION IX - DISCLAIMER** =====

The information contained herein is based on the data available to us and is believed to be correct. However, Slocum Adhesives Corporation makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Slocum Adhesives Corporation assumes no responsibility for injury from the use of the product described herein.