

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

APPROVAL DATE: 10/01/96

PRODUCT NAME: MCB ADHESIVE

SUPPLIER: LectroStik CORPORATION/the StikkiWorks Co.
1957 Quincy Court
Glendale Heights, IL 60139

Product & MSDS Information: 800-582-5477

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES & SYNONYMS: PET. HYDROCARBONS & ADDITIVES

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section #15 for a regulatory analysis of the ingredients.

See Section #15 for European Label Information.

See Section #8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION STANDARD: This product may be used in certain applications where high temperatures may lead to generation of wax fumes. According to OSHA, paraffin wax fume may be considered to be hazardous if the workplace airborne concentration exceed 2mg/m³.

EFFECTS OF OVEREXPOSURE: Contact with hot material may cause skin burns.

EMERGENCY RESPONSE DATA: Light Yellow Wax. May generate irritating vapors when burning.
DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT-IN LIQUID FORM: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT-IN LIQUID FORM: Wash contact areas with soap and water. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

INHALATION-IN GASEOUS FORM: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.

INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon Dioxide, foam, dry chemical and water fog.

SPECIAL FIRE-FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May generate irritating vapors when burning. Flash Point C (F) : > 232 (450) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.

NFPA HAZARD ID: Health: 1, Flammability: 1, Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide. Paraffin fume.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: If liquid, report spills as required to appropriate authorities. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: If liquid, dike to contain; allow to cool. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations and product characteristics at time of disposal or divert to recovery unit.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section #8.

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section #8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use local exhaust over heating operations. Use in well ventilated area.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Generally eye contact with solid material is unlikely, however, when handling in liquid form, chemical type goggles should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details:

APPEARANCE	Solid
COLOR	Light Amber
ODOR	Mild
ODOR THRESHOLD	NA
pH	NA
BOILING POINT C (F)	> 74 (165)
MELTING POINT C (F)	74 (165)
FLASH POINT C (F)	> 232 (450) (ASTM D-92)
FLAMMABILITY	NA
AUTO FLAMMABILITY	NE
EXPLOSIVE PROPERTIES	NA
OXIDIZING PROPERTIES	NA
VAPOR PRESSURE-mmHg 20 C	< 0.1
VAPOR DENSITY	NA
EVAPORATION RATE	NA
RELATIVE DENSITY, 15/4 C	1.02
SOLUBILITY IN WATER	Negligible
PARTITION COEFFICIENT	> 3.5
VISCOSITY AT 40 C, cSt	NE
VISCOSITY AT 100 c, cSt	14.2
POUR POINT C (F)	NA
FREEZING POINT C (F)	NE
VOLATILE ORGANIC COMPOUND	EXEMPT IN U.S.

NA = NOT APPLICABLE

NE = NOT ESTABLISHED

D = DECOMPOSES

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.)	Stable
CONDITIONS TO AVOID	Extreme Heat
INCOMPATIBILITY (MATERIALS TO AVOID)	Strong Oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Monoxide, Paraffin Fume
HAZARDOUS POLYMERIZATION	Will Not Occur

11. TOXICOLOGICAL DATA

--- ACUTE TOXICOLOGY ---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not established.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: 0 or greater but 6 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: 0.5 or less). ---Based on testing of similar products and/or the components.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL RATE AND EFFECTS: Not Established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFT, Part 261D, nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity, and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
RID/ADR: NOT REGULATED BY RID/ADR.
IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

GOVERNMENTAL INVENTORY STATUS: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

EU LABELING: EU labeling not required.

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals reportable under SARA (313) toxic release program.

This product meets the requirements of FDL Regulations (S): 172.886

The following product ingredients are cited on the lists below:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>LIST CITATIONS</u>
Paraffin Wax Fume		1, 10, 19, 20, 23

--- REGULATORY LISTS SEARCHED ---

- | | |
|---------------|---------------|
| 1 = ACGIH ALL | 14 = TSCA 6 |
| 2 = ACGIH A1 | 15 = TSCA 12b |
| 3 = ACGIH A2 | 16 = WHMIS |
| 4 = NTP CARC | 17 = CA P65 |
| 5 = NTP SUS | 18 = CA RTK |
| 6 = IARC 1 | 19 = FL RTK |
| 7 = IARC 2A | 20 = IL RTK |
| 8 = IARC 2B | 21 = LA RTK |
| 9 = OSHA CARC | 22 = MI 293 |
| 10 = OSHA Z | 23 = MN RTK |
| 11 = TSCA 4 | 24 = NJ RTK |
| 12 = TSCA 5a2 | 25 = PA RTK |
| 13 = TSCA 5e | 26 = RI RTK |

CODE KEY: CARC = Carcinogen

SUS = Suspected Carcinogen

16. OTHER INFORMATION

Use adequate ventilation during heating operations to keep airborne levels below recommended exposure limits.

FIRST AID: If irritation occurs, remove to fresh air and get medical attention.

Empty raw material container may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container. All label warnings and precautions must be observed until container has been thoroughly cleaned or destroyed.

Refer to product Material Safety Data Bulletin for further safety and health information.

USE: FOOD GRADE WAX

NOTE: LectroStik/StikkiWorks products are not formulated to contain PCBS.

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