

11/14/2001

US DEPARTMENT OF LABOR

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

MATERIAL SAFETY DATA SHEET

SECTION I - GENERAL DATA

MANUFACTURER: LOES ENTERPRISES INC.
1457 IGLEHART AVE.
ST. PAUL, MN. 55104
EMERGENCY 24 HOUR # CHEM-TEL, INC.
1-800-255-3924

PRODUCT NAME: ADHESIVE
PRODUCT NUMBER: TA9917
CHEMICAL FAMILY: KETONE/FURAN

HAZARD RATINGS: HEALTH:2
FIRE:3
REACTIVITY:0

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS#	OSHA-PEL	ACGIH-TLV
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm
Tetrahydrofuran	109-99-9	200 ppm	200 ppm

SECTION III - PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE (mm Hg. at 20deg.C): 129
VAPOR DENSITY (AIR = 1): 2.5
SPECIFIC GRAVITY: 0.9
PERCENT VOLATILE VOLUME: 83%
SOLUBILITY IN WATER: N/D
EVAPORATION RATE (BUTYL ACETATE = 1): 6
APPEARANCE AND ODOR: CLEAR LIQUID
PUNGENT ETHER-LIKE ODOR

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT 4 F TCC FLAMMABLE LIMITS LEL:UEL 1.8 : 11.8

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, water fog

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and standard fire fighting protective clothing

UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors may be ignited by pilot lights or other ignition sources remotely located from material handling point.

N/A = NOT APPLICABLE N/D = NOT DETERMINED

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SECTION V - REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide,
various hydrocarbons

CONDITIONS TO AVOID: Excessive heat, poor ventilation
INCOMPATIBILITY: Strong oxidizing agents

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SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Eliminate all ignition sources.
Ground handling equipment to prevent sparking. Dike area to contain
spill, salvage as much as possible for reuse, use absorbant to clean
up remainder or small spills
WASTE DISPOSAL METHOD: In accordance with local, state, and federal regulations.
MEK/THF ARE LISTED HAZARDOUS WASTE 40CFR261 WASTE #'S ARE U159/U213

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SECTION VII - HEALTH DATA

ROUTES OF ENTRY: Eyes: possible Skin: possible
Inhalation: most likely Ingestion: not likely

EFFECTS OF OVEREXPOSURE: EYES - May cause irritation
SKIN - May cause irritation, defatting, or dermatitis
INHALATION - May cause irritation of respiratory tract, narcosis,
headaches, nausea, dizziness, fatigue or unconsciousness.
INGESTION - May cause nausea, cramps, and diarrhea

FIRST AID: EYES - Immediately flush with plenty of water. Get
medical attention.
SKIN - Remove contaminated clothing and launder before reusing.
Wash affected area with plenty of soap and water.
INHALATION - Remove to fresh air. If necessary, give artificial
respiration. Get medical attention.
INGESTION - Do not induce vomiting and dilute by drinking water.
Never give liquids to an unconscious person. Get medical attention.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator suitable for
concentrations and types of air contaminants encountered
VENTILATION: Local mechanical exhaust ventilation recommended
GLOVES: Impervious (neoprene)
EYE PROTECTION: Chemical goggles/glasses
OTHER EQUIPMENT: Safety shower and/or eye wash station

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SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS: Keep container air tight in a dry area away from heat and water when not in use. Practice "good" industrial housekeeping and hygiene.

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SECTION X - ADDITIONAL INFORMATION

Tetrahydrofuran is a flammable liquid UN2056 RQ 1000LBS

Methyl Ethyl Ketone is in the TSCA inventory. SARA Title III Sect. 313

MEK is 58% of this product.

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