

MATERIAL SAFETY DATA SHEET

SECTION I PART NUMBER SD-019 LUBIT-8

SUPPLIERS NAME: SYON CORPORATION
 280 ELIOT STREET
 ASHLAND, MA 01721
EMERGENCY TELEPHONE NUMBER: (800) 255-3924

DATE PREPARED: JANUARY 1995

SECTION II PRODUCT IDENTIFICATION

TRADE NAME: Lubit-8
CHEMICAL FAMILY: Petroleum Hydrocarbons plus additives
FORMULA: Proprietary

SECTION III HAZARDOUS INGREDIENTS, percent & TLV

This compound contains no materials identified as hazardous by either the Massachusetts Right to Know Law of the OSHA Safety and Health Standards 29CFR1010 Subpart Z "Toxic and Hazardous Substances"

SECTION IV PHYSICAL DATA

BOILING POINT:	NA	SPECIFIC GRAVITY:	0.9047
VAPOR PRESSURE:	NIL	PERCENT VOLATILE:	NIL
VAPOR DENSITY:	NA	EVAPORATION RATE:	NA
SOLUBILITY IN WATER:	NIL		
APPEARANCE & ODOR:	Amber, Odorless		

SECTION V FIRE & EXPLOSION HAZARD DATA

FLASH POINT:	435°F
EXTINGUISHING MEDIA:	CO2, Dry chemical
SPECIAL FIRE FIGHTING PROCEDURES:	Use self contained breathing apparatus. Cool exposed containers with water.
FLAMMABLE LIMITS:	Lel - NA; Uel - NA
UNUSUAL FIRE & EXPLOSION HAZARDS:	Do not store or mix with strong oxidants

SECTION VI HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established for mixture. See Section III for hazardous Constituents.

EFFECTS OF OVEREXPOSURE: Prolonged and repeated overexposure may irritate the skin of some individuals.

EMERGENCY AND FIRST AID PROCEDURES:

Skin Contact: Remove by wiping and wash with soap and water.
Eye Contact: Wash with copious amounts of water.
Inhalation: Expose to fresh air
Ingestion: Treat symptomatically. Call a physician.

SECTION VII REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat; direct flame
INCOMPATIBILITY: Strong oxidizing agents (ie: liquid chlorine, oxygen)
HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, trace quantities of fluorides above 500°F
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID:

SECTION VIII SPILL OR LEAK PROCEDURES

Absorb with porous inert material-transfer to closed container. Incinerate in accordance with local pollution regulations and ordinances.

SECTION IX SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required at ambient conditions
VENTILATION: Local exhaust
OTHER PROTECTIVE EQUIPMENT: Impervious gloves, splash-proof goggles, safety shower, and eye wash facilities.

The information supplied here is based on data we consider to be accurate. No warranty, expressed or implied is made. This data is offered solely for your consideration, interpretation, and information.

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PRODUCT NAME: E-6000 MV - ALL COLORS

HMS CODES: H F R P
3*0 1 H

===== SECTION 1 - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: ECLECTIC PRODUCTS, INC.

ADDRESS : P.O. BOX 2280
EUGENE, OR 97402

EMERGENCY PHONE : (800) 535-5053 DATE REVISED : 5/20/97
INFORMATION PHONE : (541) 484-9621 DATE PRINTED : 05/27/97
NAME OF PREPARER : MSDS/COMPLIANCE DEPT

===== SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		mm Hg @ TEMP		PERCENT
TETRACHLOROETHYLENE (PERCHLOROETHYLENE)	127-18-4	13	68	72
OSHA PEL: TWA=100 ppm; CEILING=200 ppm				
ACGIH TLV: TWA=25 ppm (170 mg/m3); STEL=100 ppm (685 mg/m3)				

Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

PROPOSITION 65 STATEMENT: This product contains a chemical known to the state of California to cause cancer. DOT CLASS: SMALL PKG. -
CONSUMER COMMODITY ORM-D; 1 GA. & LARGER - TETRACHLOROETHYLENE MIXTURE, 6.1, UN 1897, PG III

===== SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: >250 DEGREES F SPECIFIC GRAVITY (H2O=1): 1.36
VAPOR DENSITY: HEAVIER THAN AIR MATERIAL VOC: 0.01 lb/gal
EVAPORATION RATE: SLOWER THAN ETHER SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: VISCOUS LIQUID WITH ETHER-LIKE ODOR

OC calculations are based on the federal EPA definition of volatile organic compound under the Clean Air Act. State and local air quality authorities may have more stringent regulation.

===== SECTION 4 - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: NONE METHOD USED: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

I. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA). II. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

PRODUCT IS NON FLAMMABLE AND NON-EXPLOSIVE UNDER NORMAL CONDITIONS OF USE. AT HIGH TEMPERATURES, PRODUCT DECOMPOSES TO GIVE OFF HYDROCHLORIC ACID AS GAS PLUS OTHER TOXIC AND IRRITATING VAPORS SUCH AS PHOSGENE AND CHLORINE. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER-PRESSURIZATION CAN RESULT IN CONTAINER RUPTURE.

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===== SECTION 5 - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID

AVOID EXTREME HEAT, FLAME OR SPARKS.

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ACIDS AND OXIDIZING MATERIALS. AVOID MIXING WITH CAUSTIC SODA OR POTASH.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

I. TOXIC/IRRITATING GASES AND FUMES. II. HYDROGEN CHLORIDE, CO₂, SIMPLE HYDROCARBONS, PHOSGENE, AND CHLORINE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION 6 - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

DIZZINESS MAY OCCUR AT 200 PPM; PROGRESSIVELY HIGHER LEVELS CAN CAUSE IRRITATION OF THE RESPIRATORY TRACT, DRUNKENNESS, NAUSEA, INCOORDINATION, UNCONSCIOUSNESS AND EVEN ASPHYXIATION IN CONFINED POORLY VENTILATED AREAS. OVEREXPOSURE CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYES: PRODUCT IN EYES CAN RESULT IN DISCOMFORT, PAIN AND IRRITATION. VAPORS MAY IRRITATE THE EYES AT ABOUT 100 PPM. SKIN: IRRITATION CAN DEVELOP FOLLOWING REPEATED AND/OR PROLONGED CONTACT AND MAY CAUSE DRYING OR FLAKING OF SKIN.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN MATERIAL BEING ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. THE LD₅₀ OF TETRACHLOROETHYLENE FOR SKIN ABSORPTION IN RABBITS IS >10,000 mg/kg.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SINGLE DOSE ORAL TOXICITY IS LOW. INGESTION MAY RESULT IN IRRITATION OF THE MOUTH AND GASTROINTESTINAL TRACT ALONG WITH OTHER EFFECTS AS LISTED ABOVE FOR INHALATION. VOMITING AND SUBSEQUENT ASPIRATION INTO THE LUNGS MAY LEAD TO INJURY OF OTHER BODY SYSTEMS.

HEALTH HAZARDS (ACUTE AND CHRONIC)

TETRACHLOROETHYLENE HAS BEEN SHOWN TO INCREASE RATE OF SPONTANEOUSLY OCCURRING MALIGNANT TUMORS IN CERTAIN LAB RATS AND MICE. OTHER LONG-TERM INHALATION STUDIES IN RATS FAILED TO SHOW TUMORIGENIC RESPONSE. EPIDEMIOLOGY STUDIES ARE LIMITED AND HAVE NOT ESTABLISHED AN ASSOCIATION BETWEEN TETRACHLOROETHYLENE EXPOSURE AND CANCER. DID NOT CAUSE BIRTH DEFECTS IN ANIMALS. BIRTH DEFECTS UNLIKELY. PROLONGED EXPOSURE ABOVE OSHA PERMISSIBLE LIMITS MAY RESULT IN LIVER AND KIDNEY DAMAGE.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: OSHA REGULATED: No

TETRACHLOROETHYLENE IS LISTED AS POTENTIAL CARCINOGEN BY IARC & NTP. RESULTS OF IN VITRO MUTAGENICITY TESTS HAVE BEEN NEGATIVE. PRUDENT HANDLING PRACTICES SHOULD BE FOLLOWED TO MINIMIZE HUMAN EXPOSURE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

PRE-EXISTING EYE, SKIN, AND LUNG CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL CARE IF IRRITATION PERSISTS OR DEVELOPS. SKIN: WIPE FROM SKIN AND WASH WITH SOAP AND WATER IF IRRITATION DEVELOPS SEEK MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GIVE ARTIFICIAL RESUSCITATION IF NOT BREATHING. INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN. GIVE 1 OR 2 GLASSES OF WATER TO DRINK. *** SEE NOTE TO PHYSICIAN UNDER "OTHER PRECAUTIONS".

REMARKS FOR SAFE HANDLING AND USE =====

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

I. SMALL LEAKS: WIPE UP, OR SOAK UP IMMEDIATELY WITH INERT MATERIAL. REMOVE TO OUTDOORS. II. LARGE SPIILLS: EVACUATE AREA; CONTAIN LIQUID; TRANSFER TO CLOSED METAL CONTAINERS; KEEP OUT OF WATER SUPPLY.

WASTE DISPOSAL METHOD

I. RECLAIM OR INCINERATE THE NON-HARDENED PRODUCT. II. MATERIAL RESULTING FROM CLEAN UP OPERATIONS MAY BE HAZARDOUS WASTE AND THEREFORE, SUBJECT TO SPECIFIC REGULATIONS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AT TIME OF DISPOSAL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

IN LARGE QUANTITIES, LETHAL CONCENTRATIONS MAY EXIST IN AREAS WITH POOR VENTILATION. DO NOT USE IN POORLY VENTILATED OR CONFINED SPACES WITHOUT PROPER RESPIRATORY PROTECTION. VAPORS WILL COLLECT IN LOW PLACES SUCH AS PITS, STORAGE TANKS AND OTHER CONFINED SPACES. DO NOT ENTER THESE AREAS UNLESS SPECIAL BREATHING APPARATUS IS USED AND AN OBSERVER IS PRESENT.

OTHER PRECAUTIONS

*** NOTE TO PHYSICIAN: BECAUSE RAPID ABSORPTION MAY OCCUR THROUGH LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY PHYSICIAN. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGAL CONTROL. DANGER FROM LUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. DO NOT ADMINISTER SYMPATHOMIMETIC DRUGS UNLESS ABSOLUTELY NECESSARY. NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGEMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

===== SECTION 8 - CONTROL MEASURES =====

RESPIRATORY PROTECTION

I. IF VENTILATION IS INADEQUATE TO MAINTAIN ATMOSPHERIC LEVELS BELOW THE TLV WEAR A NIOSH APPROVED AIR PURIFYING ORGANIC CARTRIDGE RESPIRATOR. II. FOR EMERGENCY AND OVER EXPOSURE, USE AN APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. III. IN CONFINED OR POORLY VENTILATED AREAS, USE AN APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

VENTILATION

ADEQUATE VENTILATION SHOULD BE PROVIDED TO KEEP VAPOR CONCENTRATIONS BELOW ACCEPTABLE EXPOSURE GUIDELINES. USE ONLY WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES

GLOVES ARE RECOMMENDED. NEOPRENE-LATEX GLOVES HAVE BEEN USED SATISFACTORILY.

EYE PROTECTION

SPLASHPROOF GOGGLES. ONLY REQUIRED IF HANDLING POSES A RISK OF EYE CONTACT.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

WORK/HYGIENIC PRACTICES

DO NOT ALLOW EYE OR SKIN CONTACT. AVOID BREATHING VAPORS. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

===== SECTION 9 - DISCLAIMER =====

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