

MATERIAL SAFETY DATA SHEET
TRADE NAME: E-Z-1 SYNTHETIC PENETRATING LUBRICANT
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I. E-Z-1 Corporation; 3500 N. Harrison, Shawnee, Ok. 74804

II. **HAZARDOUS INGREDIENTS**

HAZARD DETERMINATION: MATERIAL IS NOT HAZARDOUS AS DEFINED BY OSHA HAZARD COMMUNICATION STANDARD, 29CFR1910.1200.

NON-HAZARDOUS INGREDIENT: 40 TO 70 % SYNTHETIC HYDROCARBON -CAS #68515-33-3

5 TO 25 PERCENT METALLIC SALTS - CAS# MIXTURE (TRADE SECRET)
COMPONENTS OF THIS MATERIAL ARE NOT KNOWN TO BE HAZARDOUS.
5 TO 30 PERCENT SYNTHETIC HYDROCARBON - CAS# (TRADE SECRET)
THIS MATERIAL IS NOT KNOWN TO BE HAZARDOUS.

III. **PHYSICAL DATA**

BOILING PT.: 650-790 °F
VAPOR DENSITY: N/A
APPEARANCE/ODOR: LT. ORANGE BROWN
VAPOR PRESSURE: NIL
EVAPORATION RATE: N/A
VOLATILE ORGANIC CONTENT: 0 GM./LITER

SPECIFIC GRAVITY: .895
% VOLATILE BY VOL.: NIL
MELTING POINT: MINUS 110 °F
SOLUBILITY IN H2O: NIL
PH: NEUTRAL

IV. **FIRE AND EXPLOSION DATA**

FLASH PT. (TEST METHOD): 380 °F COC
AUTO IGNITION TEMP.: 555 °F
FLAMMABLE LIMITS IN AIR: N/A

EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS.
UNUSUAL FIRE/EXPLOSION HAZARD: PRODUCTS OR COMBUSTION MAY CONTAIN CARBON MONOXIDE, CARBON DIOXIDE, OR OTHER MATERIALS. *DO NOT ENTER ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY EQUIPMENT.

V. **HEALTH HAZARD INFORMATION**

INHALATION: NO VOLATILES, INHALATION IS UNLIKELY ROUTE. ACUTE INHALATION IN RATS LC50 MG/LITER, GREATER THAN 2.0 (NON TOXIC)

SKIN CONTACT: REPEATED EXPOSURE CAN CAUSE IRRITATION. CLOTHING (DRY) AND GLOVES (IMPENETRABLE). WASH OFF WITH SOAP AND WATER. PRIMARY SKIN IRRITATION IN RABBITS: AVE SCORE: 1.88 (MILD IRRITANT)

SKIN ABSORPTION: UNLIKELY. USE PROTECTIVE GEAR DURING CONTINUED OR EXTREME EXPOSURE.

EYE CONTACT: CAN CAUSE IRRITATION. USE SAFETY GLASSES AT ALL TIMES, GOGGLES WHEN HANDLING IN OVERHEAD OR WHEN AGITATING. EYE IRRITANT IN RABBITS. WASHED - MILD IRRITANT. UNWASHED - MINIMAL IRRITANT.

INGESTION: ORAL LD50 (RAT) AT 5000 MG/KG. NO DEATHS.

VI. **EFFECTS OF OVEREXPOSURE**

ACUTE OVEREXPOSURE: POTENTIAL SKIN AND EYE IRRITANT

CHRONIC OVEREXPOSURE: PRODUCT MAY CAUSE IRRITATION TO EYES, LUNGS, OR SKIN AFTER PRODUCT OR REPEATED EXPOSURE. OVER EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.

VII. EMERGENCY AND FIRST AID PROCEDURES
EYES: WASH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONSULT PHYSICIAN.
SKIN: USE PROTECTIVE CLOTHING FOR SENSITIVE SKIN. WASH WITH SOAP AND WATER TO REMOVE.
INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT.
INGESTION: IF LARGE AMOUNTS ARE INGESTED, DO NOT INDUCE VOMITING. CONSULT PHYSICIAN AS GASTRIC LAVAGE MAY BE INDICATED.

VIII. REACTIVITY DATA
CONDITIONS CONTRIBUTING TO INSTABILITY: GENERALLY STABLE, KEEP AWAY FROM HEAT SOURCES AND OPEN FLAME.
INCOMPATIBILITY: KEEP AWAY FROM STRONG OXIDIZERS.
HAZARDOUS DECOMPOSITION PRODUCTS: GENERALLY NONE, EXCEPT AS CARBON MONOXIDE DURING INCOMPLETE COMBUSTION. CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: NONE

IX. DISPOSAL, SPILL, OR LEAK PROCEDURES
AQUATIC TOXICITY: NONE KNOWN
WASTE DISPOSAL METHOD: USE ABSORBATIVE MATERIAL AND DISPOSE AT PROFESSIONAL DISPOSAL COMPLYING WITH STATE, FEDERAL, AND LOCAL REGULATIONS.
IF MATERIAL IS SPILLED OR RELEASED: CONTAIN SPILL IMMEDIATELY IN SMALLEST AREA POSSIBLE. SOAK UP AND DISPOSE IN PROFESSIONAL DISPOSAL FASHION. KEEP OUT OF SEWERS OR BODIES OF WATER.
NEUTRALIZING CHEMICALS: NONE INDICATED

X. SPECIAL PROTECTIVE INFORMATION
VENTILATION: NORMAL SHOP VENTILATION
RESPIRATORY: NONE NORMALLY REQUIRED EXCEPT AS NOTED IN SECTION IV*.
EYE: ALWAYS WEAR SAFETY GLASSES. CHEMICAL GOGGLES IF DANGER OF SPLASH OR DRIP EXISTS.
GLOVES: RECOMMEND IMPERVIOUS TYPE.
HMS RATING: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0, PERSONAL PROTECTION A
XI. SPECIAL PRECAUTIONS
NOT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC, OR OSHA
HANDLING OR STORAGE REQUIREMENTS: D.O.T. LABEL: NOT REGULATED
OSHA LABEL: NOT REGULATED
PRODUCT IS CLASS III B COMBUSTIBLE
LIQUID PER NFPA CODE NO. 30-1984 STORE/HANDLE ACCORDINGLY.

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