

E-Z-1 LUBRICANT

E-Z-1, INC.

SECTION 1 IDENTIFICATION OF THE SUBSTANCE AND COMPANY

PRODUCT NAME:	E-Z-1 LUBRICANT
CHEMICAL NAME & SYNONYMS:	SYNTHETIC HYDROCARBON
MANUFACTURERS NAME:	E-Z-1 CORPORATION 3500 N. HARRISON STREET SHAWNEE, OK 74804 PHONE: 405-275-8110 FAX: 405-275-8114
CAS#:	NOT ISSUED
CHEMICAL FAMILY:	HYDROCARBON
CHEMICAL FORMULA:	NOT AVAILABLE

SECTION 2 HAZARDS AND IDENTIFICATION

NOT A HAZARDOUS SUBSTANCE OR MIXTURE ACCORDING TO OSHA HCS 2012. CONTAINS NO INGREDIENTS LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

CONTAINS NO INGREDIENTS LISTED ON CALIFORNIA PROP. 65, CAL. CODE REGS. Title 27, Section 25603.8 (2018).

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER (Trade Secret)	%BY
*PROPRIETARY SYNTHETIC HYDROCARBON	NOT AVAILABLE	40-70
*PROPRIETARY SYNTHETIC HYDROCARBON	NOT AVAILABLE	5-30
*PROPRIETARY CALCIUM COMPLEX	NOT AVAILABLE	5-25

*NON-HAZARDOUS SUBSTANCES, THE CONCENTRATIONS SHOWN IN THE SUBSTANCE LIST ARE MAXIMUM IR CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.

SECTION 4 FIRST AID MEASURES

EYE CONTACT:	RINSE IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF EYE IRRITATION PERSISTS CONSULT A SPECIALIST.
SKIN CONTACT:	WASH OFF WITH SOAP AND PLENTY OF WATER WHILE REMOVING CONTAMINATED CLOTHES AND SHOES. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.
INHALATION:	MOVE TO FRESH AIR. IF BREATHING IS IRREGULAR OR STOPPED, ADMINISTER ARTIFICIAL RESPIRATION. IN CASE OF SHORTNESS OF BREATH, GIVE OXYGEN. CALL A PHYSICIAN IMMEDIATELY.
INGESTION:	IF SWALLOWED, CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY. DO NOT INUCE VOMITING WITHOUT MEDICAL ADVICE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 5 FIREFIGHTING MEASURES

**FLAMMABLE PROPERTIES
FIRE EXPLOSION**

SPONTANEOUS COMBUSTION CAN OCCUR SHOULD THE PRODUCT COME INTO CONTACT WITH HOT FIBER GLASS OR MINERAL FIBER INSULATION, ESPECIALLY WHEN EXPOSED TO ATMOSPHERIC OXYGEN. NFPA CLASS IIIB COMBUSTIBLE LIQUID.

**SUITABLE EXTINGUISHING MEDIA
PROTECTIVE EQUIPMENT AND
PRECAUTIONS FOR FIREFIGHTERS**

WATER SPRAY OR FOG, FOAM, DRY CHEMICAL, CO2

IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES. WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

FURTHER INFORMATION

KEEP CONTAINERS AND SURROUNDINGS COOL WITH WATER SPRAY. DO NOT USE A SOLID WATER STREAM AS IT MAY SCATTER AND SPREAD FIRE. COLLECT CONTAMINATED FIRE EXTINGUISHING WATER SEPERATELY. THIS MUST NOT BE DISCHARGED INTO DRAINS.

SECTION 6 ACCIDENTAL RELEASE MEASURES

**METHODS AND MATERIALS
FOR CONTAINMENT AND CLEAN-UP**

VENTILATE THE AREA. CONTAIN SPILLAGE, AND THEN COLLECT WITH NON-COMBUSTIBLE ABSORBENT MATERIAL, (SAND, EARTH, DIATOMACEOUS EARTH VERMICULITE) AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL/NATIONAL REGULATIONS (SEE SECTION 13). DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM. IF THE PRODUCT CONTAMINATES RIVERS AND LAKES OR DRAINS INFORM RESPECTIVE AUTHORITIES.

SECTION 7 HANDLING AND STORAGE

SAFE HANDLING ADVICE

ENSURE ALL EQUIPMENT IS ELECTRICALLY GROUNDED BEFORE BEGINNING TRANSFER OPERATIONS. KEEP AWAY FROM SOURCES OF IGNITION – NO SMOKING. KEEP CONTAINER TIGHTLY CLOSED. THE USE OF FOAM GLASS AS AN INSULATION MATERIAL CAN REDUCE THE RISK OF SUCH SPONTANEOUS COMBUSTION. INSULATION MATERIAL SOAKED WITH THE PRODUCT MUST BE REPLACED WITH NEW INSULATION MATERIAL AS SOON AS POSSIBLE.

STORAGE/TRANSPORT PRESSURE

AMBIENT

LOAD/UNLOAD TEMPERATURE

AMBIENT

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION**ENGINEERING MEASURES**

AIR CONTAMINANT LEVELS SHOULD BE CONTROLLED BELOW THE PEL OR TLV FOR THIS PRODUCT (SEE EXPOSURE GUIDELINES). PROVIDE ADEQUATE VENTILATION. USE EXPLOSION-PROOF ELECTRICAL/VENTILATION/LIGHTING EQUIPMENT.

SKIN

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION

INHALATION

RESPIRATORY PROTECTION IS NORMALLY NOT REQUIRED EXCEPT IN EMERGENCIES OR WHEN CONDITIONS CAUSE EXCESSIVE AIRBORNE LEVELS OF MISTS OR VAPORS. USE NIOSH APPROVED RESPIRATORY PROTECTION.

EXPOSURE GUIDELINES

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

LIQUID

FORM

LIQUID

COLOR

LIGHT BROWN OILY

ODOR

HYDROCARBONS

ODOR THRESHOLD

NO DATA AVAILABLE

FLASH POINT

199° C, 390° F, COC

SOLUBILITY IN WATER

NONE, INSOLUBLE

SPECIFIC GRAVITY

.895

MELTING POINT

NO DATA AVAILABLE

BOILING POINT

312 - 386° C, 594 - 728° F

AUTO-IGNITION TEMPERATURE

357° C, 675° F

FLAMMABILITY (SOLID, GAS)

NO DATA AVAILABLE

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VISCOSITY	1,872 cSt @ -40° C, -40° F
Ph	NEUTRAL
EVAPORATION RATE	NO DATA AVAILABLE
PARTITION COEFFICIENT n-octanol/water	NO DATA AVAILABLE

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY	STABLE AT NORMAL AMBIENT TEMPERATURE AND PRESSURE
CHEMICAL STABILITY	STABLE IF STORED AND APPLIED AS DIRECTED
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR.
CONDITIONS TO AVOID	DIRECT HEATING, DIRT, CHEMICAL CONTAMINATION, SUNLIGHT, UV OR IONIZING REDIATION. EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT.
HAZARDOUS DECOMPOSITION PRODUCTS	NO DECOMPOSITION IF STORED NORMALLY. STABLE UNDER NORMAL CONDITIONS. USE AT ELEVATED TEMPERATURES CAN LEAD TO THERMAL DECOMPOSITION AND THE FORMATION OF LOW-BOILING AND HIGH-BOILING SECONDARY PRODUCTS (e.g. hydrocarbons) DURING REMOVAL OF LOW-BOILING DECOMPOSITION PRODUCTS FROM THE SYSTEM, APPROPRIATE RISK MANAGEMENT MEASURES FOR FLAMMABLE LIQUIDS MUST BE APPLIED.
MATERIALS TO AVOID	STRONG OXIDIZING AGENTS
HAZARDOUS POLYMERIZATION	NONE

SECTION 11 TOXICOLOGICAL INFORMATION**PRODUCT INFORMATION**

ACUTE ORAL TOXICITY	LD50 RAT:> 5,000 mg/kg
ACUTE INHALATION TOXICITY	NO DATA AVAILABLE

SAFETY DATA SHEET

1/1/2023

ACUTE DERMAL TOXICITY	LD50 rabbit: > 2,000 mg/kg
SKIN IRRITATION	AVERAGE SCORE: 0.8 (mild irritant)
EYE IRRITATION	NO DATA AVAILABLE
RESPIRATORY OR SKIN SENSITIZATION	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	GENOTOXICITY IN VITRO: NO DATA AVAILABLE GENOTOXICITY IN VIVO: NO DATA AVAILABLE
REPRODUCTIVE TOXICITY	REPRODUCTIVE TOXICITY: NO DATA AVAILABLE ASSESSMENT REPRODUCTIVE TOXICITY: NO DATA AVAILABLE TERATOGENICITY: NO DATA AVAILABLE ASSESSMENT TERATOGENICITY: NO DATA AVAILABLE
STOT-single exposure	NO DATA AVAILABLE
STOT-repeated exposure	NO DATA AVAILABLE
ASPIRATION TOXICITY	NO DATA AVAILABLE
CARCINOGENICITY	ASSESSMENT CARCINOGENICITY CONTAINS NO INGREDIENT LISTED AS A CARCINOGEN

SECTION 12 ECOLOGICAL INFORMATION

BIODEGRADATION	BIODEGRADABLE, BUT AT SLOW RATES DUE TO ITS LOW SOLUBILITY IN WATER
FISH TOXICITY	NO DATA AVAILABLE
AQUATIC INVERTEBRATES TOXICITY	NO DATA AVAILABLE
ALGAE TOXICITY	NO DATA AVAILABLE
CHRONIC TOXICITY TO FISH	NO DATA AVAILABLE
CHRONIC TOXICITY TO AQUATIC INVERTEBRATES	NO DATA AVAILABLE
BACTERIA TOXICITY	NO DATA AVAILABLE
BIOACCUMULATION	NO DATA AVAILABLE
MOBILITY IN SOIL	NO DATA AVAILABLE

OTHER ADVERSE EFFECTS

NO DATA AVAILABLE

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE CODE

ANY UNUSED PRODUCT OR EMPTY CONTAINERS MAY BE DISPOSED OF AS NON-HAZARDOUS IN ACCORDANCE WITH STATE AND FEDERAL REQUIREMENTS.
RE-EVALUATION OF THE PRODUCT MAY BE REQUIRED BY THE USER AT THE TIME OF DISPOSAL, SINCE THE PRODUCT USES, TRANSFORMATIONS, MIXTURES, CONTAMINATION, AND SPILLAGE MAY CHANGE THE CLASSIFICATION. IF THE RESULTING MATERIAL IS DETERMINED TO BE HAZARDOUS, DISPOSE OF WITHIN STATE AND FEDERAL (40 CFR 262) HAZARDOUS WASTE REGULATIONS

DISPOSAL METHODS

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

SECTION 14 TRANSPORTATION INFORMATION

DOT

NOT RESTRICTED

IATA

NOT RESTRICTED

IMDG

NOT RESTRICTED

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA HAZARDS (HCS 1994)

NON-HAZARDOUS SUBSTANCE

TSCA INVENTORY LISTING

THIS PRODUCT IS LISTED ON THE TSCA INVENTORY

SARA 302 STATUS

NO CHEMICALS IN THIS PRODUCT ARE SUBJECT TO REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302

SARA 313/312 CLASSIFICATION

NON-HAZARDOUS SUBSTANCE

U.S. EPA CERCLA HAZARDOUS SUBSTANCES (40 CFR 302)

COMPONENTS NONE

CALIFORNIA PROP 65 (2018)

COMPONENTS NONE

INTERNATIONAL REGULATIONS

WHMIS CLASSIFICATION

WHMIS HAZARDOUS COMPOSITION: NO INGREDIENTS ARE HAZARDOUS ACCORDING TO THE CPR CRITERIA.

EUROPEAN UNION

THE PRODUCT DOES NOT NEED TO BE LABELED IN ACCORDANCE WITH EC DIRECTIVES OR RESPECTIVE NATIONAL LAWS

AUSTRALIA: INVENTORY OF CHEMICAL SUBSTANCES (AICS) - LISTED

CANADA: DOMESTIC SUBSTANCES LIST (DSL) INVENTORY - NOT LISTED

CANADIAN NON-DOMESTIC SUBSTANCE LISTING (NDSL) - LISTED

CHINA: INVENTORY OF EXISTING CHEMICAL SUBSTANCES (IECSC) - LISTED

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS) - LISTED

JAPAN: INVENTORY OF EXISTING & NEW CHEMICAL SUBSTANCES - LISTED

KOREA: EXISTING CHEMICALS INVENTORY (KECI) - NOT LISTED

MEXICO: NATIONAL INVENTORY OF CHEMICAL SUBSTANCES (INSQ) - NOT LISTED

NEW ZEALAND: INVENTORY OF CHEMICALS (NZIoC) - NOT LISTED

PHILIPPINES: INVENTORY OF CHEMICALS/CHEMICAL SUBSTANCES (PICCS) - NOT LISTED

SWITZERLAND: INVENTORY OF NOTIFIED NEW SUBSTANCES (CHINV) - LISTED

TAIWAN: NATIONAL EXISTING CHEMICAL INVENTORY (NECI) - LISTED

SECTION 16 OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

	HEALTH	FLAMMABILITY	PHYSICAL HAZARD/INSTABILITY
HMIS	1	1	0
NFPA	1	1	0

SAFETY DATA SHEET

1/1/2023

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