

Common Name: HYDRAULIC INDUSTRIAL ISO 46

Manufacturer: ENVIRONMENTAL LUBRICANTS

MSDS Revision Date: 3/11/2010

Grainger Item 6LCW0

Number(s):

Manufacturer Model

Number(s):

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HYDRAULIC INDUSTRIAL ISO 46

LUBRIMATIC PART NUMBERS: 10560

HMIS CODE (H F R P):

HEALTH 0

FIRE 1

REACTIVITY 0

PERSONAL PROTECTION B

TRADE NAME AND SYNONYMS: AN872

CHEMICAL FAMILY: GLYCERIDE OIL-BASED FLUID

CAS NUMBER: NA

SECTION I - MANUFACTURER'S IDENTIFICATION



SOURCE: ENVIRONMENTAL LUBRICANTS MANUFACTURING INC.

ADDRESS:

311 B. AVENUE

GRUNDY CENTER, IA 50638

24 HOUR EMERGENCY ASSISTANCE:
CHEMTREC: (800) 424-9300

GENERAL MSDS ASSISTANCE: (319) 824-5203

DATE PREPARED: 11/1/99

DATE REVISED: 03/11/10

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS



COMPOUND	CAS #	OSHA TWA	OSHA STEL	ACGIH STEL
SOYBEAN OIL	8001-22-7	15 MG/M3*	---	---
ADDITIVES MIXTURE**	CONFIDENTIAL	---	---	---

* OSHA TWA LIMIT OF 15 MG/M3 IS FOR VEGETABLE OIL MIST; HOWEVER SOYFLUID(TM) HYDRAULIC INDUSTRIAL ISO 46 IS HIGHLY RESISTANT TO MIST FORMATION

** THE SPECIFIC CHEMICAL IDENTITY IS BEING WITHHELD AS A TRADE SECRET.

--- NOT ESTABLISHED

THE PRECISE COMPOSITION OF THIS PRODUCT IS PROPRIETARY INFORMATION. A MORE COMPLETE DISCLOSURE WILL BE PROVIDED TO A PHYSICIAN IN THE EVENT OF A MEDICAL EMERGENCY.

SARA HAZARD:
NONE NOTED (SECNON 311/312) TITLE III SECTION 313 - NOT LISTED

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA REGISTRY.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS



BOILING RANGE: NOT APPLICABLE

VAPOR DENSITY:
EXCEEDS: 1.0

SPECIFIC GRAVITY (H2O=1.0): 0.912

APOR PRESSURE: NOT APPLICABLE

PERCENT VOLATILE BY VOLUME: ND

SOLUBILITY IN WATER: INSOLUBLE

EVAPORATION RATE: NOT APPLICABLE

APPEARANCE AND ODOR:
RICH AMBER, OILY LIQUID - ONLY A FAINT ODOR.

WEIGHT PER GALLON: 7.61 LBS. AT 60 DEG. F.

SECTION IV - FIRE AND EXPLOSION DATA



FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID - CLASS IIIB.

FLASH POINT: 594 DEG. F (312 DEG. C)

FIRE POINT: 655 DEG. F (346 DEG. C)

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, SAND

SPECIAL FIREFIGHTING PROCEDURES:

AVOID USE OF WATER AS IT MAY SPREAD FIRE BY DISPERSING OIL. USE WATER T
O

KEEP FIRE-EXPOSED CONTAINERS COOL.

SECTION V - REACTIVITY DATA



STABILITY: GENERALLY STABLE

CONDITIONS TO AVOID:

HIGH SURFACE AREA EXPOSURE TO OXYGEN CAN RESULT IN POLYMERIZATION AND
RELEASE OF HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITIONS OR BY-PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA



THRESHOLD LIMIT VALUE: AS A LIQUID - NONE.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EXCESSIVE INHALATION OF FLUID MIST MAY AFFECT THE RESPIRATORY SYSTEM.
OIL MIST IS CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER LONG EXPOSURE OF
OIL ON SKIN.

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: NONE OBSERVED BY INHALATION.

CHRONIC: NONE REPORTED.

EMERGENCY AND FIRST AID PROCEDURES FOR:

SKIN CONTACT:

MAY BE REMOVED FROM SKIN BY WASHING WITH SOAP AND WARM WATER.

INHALATION: EXPOSE INDIVIDUAL TO FRESH AIR SOURCE.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE



STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

DEPENDING ON QUANTITY OF SPILL:

(A) SMALL SPILL:

ADD SOLID ADSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA.

CLEAN AREA WITH DETERGENT.

(B) LARGE SPILL:

SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION VIII - CONTROL MEASURES



RESPIRATORY PROTECTION: NOT NORMALLY NEEDED.

VENTILATION:

INTERMITTENT CLEAN AIR EXCHANGES RECOMMENDED, BUT NOT REQUIRED.

PROTECTIVE GLOVES: NOT NORMALLY NEEDED.

EYE PROTECTION: NOT NORMALLY NEEDED.

SECTION IX - SPECIAL PRECAUTIONS



PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE AWAY FROM FLAME AND FIRE, AND EXCESSIVE HEAT.

SECTION X - DISCLAIMER AND/OR COMMENTS



TO THE BEST OF OUR KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS ACCURATE AND RELIABLE AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. HOWEVER NO LIABILITY WHATSOEVER IS ASSUMED FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.