

MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

HOP-46

MSDS ID: 03310

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HOP-46
PRODUCT DESCRIPTOR: HYDRAULIC OIL
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME(CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
PETROLEUM DISTILLATES CAS#64742-65-0	<99	TLV 5; PEL 5; ST 10 OIL MIST	MG/M3
PETROLEUM HYDROCARBON CAS#64742-54-7	<70	TLV 5; ST 10	
1,4-HEXADIENE, POLYMER WITH ETHENE -1 PROPENE (25038-37-3	< 5	NONE ESTABLISHED	

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: DEFATS SKIN; MAY IRRITATE EYES. MISTS MAY IRRITATE UPPER
RESPIRATORY TRACT
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Sensitive skin

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR 15 MINUTES, GET MEDICAL
ATTENTION
SKIN: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER FOR 15 MINUTES,
REMOVE CONTAMINATED CLOTHES AND SHOES
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE
ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SIGHNS OF
OVEREXPOSURE PERSISTS.

V. FIRE FIGHTING MEASURES

FLASH POINT: 400 DEG F FLAME EXTENSION: N/A IN.
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A
UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE KNOWN
EXTINGUISHING MEDIA: CO2, DRY CHEMICALS
FIRE FIGHTING INSTRUCTIONS: WEAR PROTECTIVE GEAR AND SELF CONTAINED

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V. FIRE FIGHTING MEASURES (Cont.)

BREATHING APPARATUS IN FIRE AREA.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: CONTAIN THE SPILL. PREVENT SPILL FROM ENTERING SEWER. RECOVER FREE LIQUID AND/OR COLLECT WITH INERT OIL ABSORBENT. PLACE ABSORBENT INTO METAL CONTAINER FOR DISPOSAL. CLEAN SPILL AREA WITH DETERGENT OR SOLVENTIZED CLEANER.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE CONTAINERS CLOSED IN A CLEAN, DRY AREA. KEEP AWAY FROM HEAT, OPEN FLAME, AND OXIDIZING AGENTS. DO NOT PRESSURIZE CONTAINER TO EMPTY.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD WHEN HANDLING
PROTECTIVE GLOVES: OIL RESISTANT
RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR IF SYMPTOMS OF IRRITATION TO TEST SHOW TLV IS EXCEEDED
OTHER PROTECTIVE CLOTHING/EQUIPMENT: NONE
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 300 SPECIFIC GRAVITY: 0.8750
VOLATILE BY VOLUME: 0 SOLUBILITY IN WATER: <1
VAPOR PRESSURE (MMHG): N/A AT
APPEARANCE AND ODOR: CLEAR GREEN LIQUID; PETROLEUM ODOR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: STRONG ACIDS OR ALKALIS WILL AFFECT QUALITY.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, SO2 WITH INCOMPLETE COMBUSTION
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

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XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH KEROSENE OR AVAILABLE SOLVENT, BURN LIQUID DISPOSE AS WASTE OIL OR SOLVENT. CONSULT WITH A LICENSED WASTE HAULER PRIOR TO DISPOSAL. DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS.

XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:

ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 0 FIRE: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

STATE RIGHT-TO-KNOW INFORMATION:

NEW JERSEY: PETROLEUM

PENNSYLVANIA: FORMULA TRADE SECRET

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.