

MSDS NO. 61025

PRODUCT Prem. Power Steering Seal. & Cond

REVISION

HEARTLAND MANUFACTURING
CALL 24 HRS PRIOR FOR SHPT
105 BROOK COURT
BOLLING BROOK IL60440

REV. DATE 03/28/96

DATE 10/09/96

01. PRODUCT IDENTIFICATION

CHEMICAL NAME: PETROLEUM OIL MIXTURE

FLAMMABILITY (RED)

CHEM FORMULA: NA MIXTURE
CAS NUMBER: NA MIXTURE

HEALTH / TLV OX REACTIVITY
(BLUE) \ / \ (YELLOW)

DOT SHIP NAME: NON-HAZARDOUS MATERIAL
DOT HAZ CLASS: NON-HAZARDOUS MATERIAL
DOT ID NUMBER: N/A

SPECIAL HAZARD

EMERGENCY TELEPHONE NUMBER (214) 556-1421

IN CASE OF CHEMICAL SPILL EMERGENCY CALL CHEMTREC 1-800-262-8200.

02. HAZARDOUS INGREDIENTS

INGREDIENT	OSHA PEL / ACGIH TLV	CAS NUMBER	PERCENT
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THIS PRODUCT IS CONSIDERED TO BE RELATIVELY NON-HAZARDOUS MATERIAL.

EXPOSURE LIMITS FOR OIL MIST ARE AS FOLLOWS:
OSHA - PEL/TWA 5 mg/m3 ACGIH - TLV/STEL 10 mg/m3

03. PHYSICAL CHARACTERISTICS

04. FIRE AND EXPLOSION DATA

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION
CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATE
AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR

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04. FIRE AND EXPLOSION DATA

(CONTINUED)

COMBUSTION. CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES
USE WATER FOG, FOAM, DRY CHEMICAL OR CO₂. DO NOT USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND BE REIGNITED ON SURFACE OF WATER.

FLASH POINT (MINIMUM)
330 DEG F (PMCC)

FLAMMABLE OR EXPLOSIVE LIMITS (APRX. % BY VOLUME IN AIR)
LOWER: NO DATA UPPER: NO DATA

HANDLING PRECAUTIONS
CONDITIONS AND MATERIALS TO AVOID: AVOID HEAT, OPEN FLAME AND OXIDIZING MATERIALS.

SPECIAL FIRE FIGHTING PROCEDURES
MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE-PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

05. REACTIVITY DATA

REACTIVITY
THIS PRODUCT IS STABLE.

06. HEALTH HAZARD DATA

EYE CONTACT
LUBRICATING OILS ARE IN GENERAL CONSIDERED NO MORE THAN MINIMALLY IRRITATING TO THE EYES.

EYE CONTACT
IN CASE OF EYE CONTACT FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

INGESTION
LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN SLIGHTLY TOXIC IF SWALLOWED.

INGESTION
DO NOT INDUCE VOMITING. IN GENERAL NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ATTENTION!

INHALATION
INHALATION OF VAPOR (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST

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06. HEALTH HAZARD DATA

(CONTINUED)

FROM THIS PRODUCT MAY RESULT IN MILD IRRITATION OF UPPER RESPIRATORY TRACT.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

NATURE OF HAZARD

REEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SKIN CONTACT

LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN MILDLY IRRITATING TO THE SKIN. PROLONGED AND REPEATED CONTACT MAY RESULT IN VARIOUS SKIN DISORDERS.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS OFF. WASH WITH SOAP AND WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

TOXICITY INFORMATION

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY IN EXPERIMENTAL ANIMALS OF USED MOTOR (CRANKCASE) OIL. HANDLING PROCEDURES AND SAFETY PRECAUTIONS IN THE MSDS SHOULD BE FOLLOWED TO MINIMIZE EXPOSURE TO THE PRODUCT IF USED AS A LUBRICATING OIL IN A GASOLINE INTERNAL COMBUSTION ENGINE.

NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY. I.E., MOST OILS AND GREASES.

07. PRECAUTIONS FOR SAFE HANDLING AND USE

SAFE HANDLING

WASTE DISPOSAL: PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATORS.

PRECAUTIONS FOR HANDLING

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE, PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES THAT CANNOT BE DECONTAMINATED.

08. INDUSTRIAL HYGIENE CONTROL MEASURES

INDUSTRIAL HYGIENE CONTROL MEASURES
SEE SECTION 09.

09. SPECIAL PRECAUTIONS

EYE PROTECTION

WEAR SAFETY GOGGLES TO AVOID EYE CONTACT.

PROTECTIVE GLOVES

WEAR CHEMICAL RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.

PROTECTION AND PRECAUTIONS

STORE PRODUCT IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

RESPIRATORY PROTECTION

IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLY RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATE.

SPILL OR LEAK PROCEDURES

MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS ***LARGE SPILLS*** WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK. IF SAFE TO DO SO, DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIALS; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. ***SMALL SPILLS*** TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.