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ENGINE ARMOUR
THE BEST FOR LESS

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MATERIAL SAFETY DATA SHEETS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

GENERIC NAME: Stop Leak

ISSUE DATE: March 2006

TRADE NAMES:

1. Engine Armour Stop Leak

CAS NUMBER:

Mixture

SYNONYMS / GENERAL NAMES:

Petroleum Oil; Power Steering Sealer

24 HOUR EMERGENCY TELEPHONE:

(CHEMTREC) 1-800-424-9300

TECHNICAL INFORMATION:

813-248-1988

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	%	HAZARD DATA
Hydrotreated Heavy Distillate	64742-46-7	0-85	NON HAZARDOUS
Petroleum Base Oils	64742-53-6	0-85	
Petroleum Additives	Mixture	<16	

3. HAZARDOUS IDENTIFICATION

IRRITANCY:

Direct contact with material may cause skin irritation.

REPRODUCTIVE EFFECTS:

High concentrations of vapor or mist may irritate the respiratory tract.

4. FIRST AID MEASURES

EYES:

Flush with water. See physician if any complications arise.

DERMAL:

Wash with soap and water. Do not wear heavily contaminated clothing before laundering.

INGESTION:

Do NOT induce vomiting. Seek medical attention.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. Seek medical aid.

5. FIRE FIGHTING MEASURES

FLASH POINT, °C (°F):

177°C (350°F)

EXTINGUISHING MEDIA:

Carbon Dioxide, dry chemical, regular foam, or water spray.

SPECIAL FIRE FIGHTING PROCEDURES:

Do not use water except as fog

EXPLOSION HAZARDS:

None

NFPA RATING:

HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

Remove all ignition sources. Stop leak if you can do it without risk. Ventilate area and avoid breathing vapor or mist. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel into collapsible container for disposal.

7. HANDLING AND STORAGE

HANDLING PROCEDURES:

Keep away from intense heat, sparks, or flame. Empty containers may contain product residue which could include flammable or explosive vapors.

STORAGE PROCEDURES:

Do not apply heat or flame to container. Keep separate from strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:	Local if necessary to maintain allowable PEL or TLV.
SKIN PROTECTION:	Where skin contact is likely, wear Neoprene, Nitrile, or equivalent gloves; use of natural rubber or equivalent gloves is not recommended.
EYE PROTECTION:	Chemical safety splash goggles
RESPIRATORY PROTECTION:	Normally none required. If high vapor or mist concentrations expected - use respirator approved for organic vapors and mists.
CLOTHING RECOMMENDATION:	Wear appropriate chemical-resistant apron or other protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Red Liquid
ODOR:	Lubricating base oil
pH:	NA
VAPOR PRESSURE, mm Hg:	Less than 0 mm Hg at 68°F
VAPOR DENSITY:	NA
BOILING POINT, 760 mm Hg, °C:	650°F (343 C)
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	n/d
EVAPORATION RATE:	0.0 (ethyl ether = 1)

10. STABILITY AND REACTIVITY

STABILITY:	Stable
INCOMPATIBILITY:	Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.
POLYMERIZATION:	None

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION:	May be mildly irritating.
DERMAL IRRITATION:	Transient, slight irritant.
INJECTION:	Subcutaneous or intramuscular injection may cause irritation, erythema, edema.
CHRONIC EXPOSURE SYMPTOMS	Prolonged or repeated skin contact may cause drying, cracking, or dermatitis.

12. HEALTH INFORMATION

No	HIGHLY TOXIC	No	SENSITIZER
No	TOXIC	No	REPRODUCTIVE EFFECTS
No	CORROSIVE	No	MUTAGEN
No	IRRITANT	No	TARGET ORGAN

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal. Check before disposing to be sure you are in compliance with all applicable laws and regulations.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME:	Petroleum Lubricating Oil
HAZARD CLASS:	Non-Hazardous

15. REGULATORY INFORMATION

SARA SECTION 313 - TOXIC CHEMICALS:

This product does not contain toxic chemicals under SARA Section 313 and 40 CFR Part 372.

SARA SECTION 311 - HAZARD CATEGORIES:

This product may meet one or more of the criteria for the hazard categories defined in 40 CFR Part 370 as established by Sections 311 and 312 of SARA as indicated below:

No	IMMEDIATE (ACUTE) HEALTH HAZARD	No	SUDDEN RELEASE OF PRESSURE HAZARD
No	DELAYED (CHRONIC) HEALTH HAZARD	No	REACTIVE HAZARD
No	FIRE HAZARD		

SARA SECTION 302 - EXTREMELY HAZARDOUS WASTE:

This product is not known to contain any components in concentrations greater than one percent that are listed as Extremely Hazardous Substances in 40 CFR Part 355 pursuant to the requirements of Section 302(a) of SARA.

CLEAN WATER ACT (CWA):

Under the CWA, discharges of crude oil and petroleum products to surface water without proper Federal and State permits must be reported immediately to the National Response Center at (800) 424-8802.

CERCLA HAZARDOUS SUBSTANCES:

As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance.

U.S. TSCA INVENTORY

All components of this material are on the U.S. TSCA Inventory or are not required to be listed on the U.S. TSCA Inventory

16. OTHER INFORMATION

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. XCEL OIL COMPANY BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS.

NFPA HAZARD RATING	least - 0	slight - 1	moderate - 2	high - 3	extreme - 4
HMIS HEALTH RATING	least - 0	slight - 1	moderate - 2	high - 3	extreme - 4