

REC'D OCT 01 2000

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Material Safety Data Sheet

RO 30

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Calumet Lubricants Company
2780 Waterfront Pkwy E. Suite 200
Indianapolis, IN 46214

COMPANY CONTACT: Jeff Smith
TELEPHONE NUMBER: (318)949-2421

EMERGENCY TELEPHONE NUMBERS

Calumet Lubricants Co. (318)949-2421 8am - 4pm cst M-F
Chemtrec (800)424-9300 After Business Hrs.

PRODUCT NAME: RO 30
PRODUCT CODE: 3180-00
CHEMICAL NAME: Severely Hydrotreated Heavy Naphthenic Distillate
CAS NUMBER: 64742-52-5
CHEMICAL FAMILY: Petroleum Hydrocarbon Oil

2. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 3 columns: INGREDIENT NAME, EXPOSURE LIMITS, CONCENTRATION PERCENT BY VOLUME. Row 1: Severely Hydrotreated Heavy Naphthenic Petroleum Oil, OIL MIST, 100.0.

Derived from low cold test petroleum oil to which has been applied a series of processes which includes severe hydrotreating.

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****
* Not expected to cause a severe emergency hazard.
* Material has a NFPA rating of 0-1-0.
* There are no chemicals in reportable quantities under SARA Section 313.
* Use of adequate ventilation will avoid aspiration of oil mists.
* Wash skin thoroughly after contact, prolonged contact with any oils can cause irritation in some individuals.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY
Skin.

EYES
Tests on similar materials suggest that no eye effect be expected.

SKIN
Tests on similar materials indicate that no significant adverse health effects are expected to occur upon short-term exposure.

INGESTION
Tests on similar materials indicate no significant adverse effects expected. Practically non-toxic.

INHALATION
Tests on similar material indicate no acute effects are expected.

CHRONIC (CANCER INFORMATION)
Prolonged and/or repeated contact with this material may produce skin irritation and inflammation.
Carcinogen listed by : National Toxicology Program (NO)
I. A. R. C. (NO)
OSHA (NO)

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3. HAZARDS IDENTIFICATION - Continued

CHRONIC (CANCER INFORMATION) - Continued

ACGIH (NO)

This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

4. FIRST AID MEASURES

EYES

Flush eyes immediately with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

SKIN

Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If irritation or rash develops, obtain medical assistance. Immediately remove soaked clothing.

INGESTION

Product is practically non-toxic. Do not induce vomiting. Obtain emergency medical attention.

INHALATION

Not likely to occur except a mist. Remove patient to fresh air and consult a physician. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: >350°F >177°C COC ASTM D92

AUTOIGNITION: >650°F >343°C

FLAMMABILITY CLASS: IIIB

LOWER EXPLOSIVE LIMIT (%): Not determined

UPPER EXPLOSIVE LIMIT (%): Not determined

FIRE AND EXPLOSION HAZARDS

Slightly combustible. OSHA/NEPA Class IIIB Combustible Liquid. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oil's normal flash point. Keep away from extreme heat or open flame.

EXTINGUISHING MEDIA

Dry Chemical, carbon dioxide, water fog and foam. NOTE: Water, fog and foam may cause frothing and spattering.

FIRE FIGHTING INSTRUCTIONS

Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).

Products of combustion include fumes, smoke and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Shut off ignition source. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Advise EPA; state agency if required. Absorb on inert material. Shovel, sweep or vacuum spill.

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7. H A N D L I N G A N D S T O R A G E

HANDLING AND STORAGE PRECAUTIONS

Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIB storage. Wash thoroughly after handling.

STORAGE PRECAUTIONS

Storage Temperature: ambient or slightly elevated to facilitate pumping.
Storage Pressure: atmospheric

WORK/HYGIENIC PRACTICES

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

8. E X P O S U R E C O N T R O L S / P E R S O N A L P R O T E C T I O N

ENGINEERING CONTROLS

Use adequate ventilation to keep oil mists of this material below applicable standard(s). See Section on occupational exposure limits.

EYE/FACE PROTECTION

Safety glasses or splash goggles. Have suitable eye wash water available.

SKIN PROTECTION

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton.

RESPIRATORY PROTECTION

Normally not required if adequate ventilation. If occupational exposure limits are exceeded wear NIOSH/MSHA approved apparatus.

OTHER/GENERAL PROTECTION

If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

9. P H Y S I C A L A N D C H E M I C A L P R O P E R T I E S

APPEARANCE

Clear pale straw colored liquid.

ODOR

Light bland petroleum.

ODOR THRESHOLD

N.D.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid
BOILING POINT: IBP >500°F IBP >260°C
MELTING POINT: -30 (D97)°F -34 (D97)°C
VAPOR PRESSURE: <0.001 mm Hg @ 20°C
VAPOR DENSITY (AIR=1): >5
SPECIFIC GRAVITY: 0.91 Water = 1
MOLECULAR WEIGHT: 381.00
PACKING DENSITY: N/A
SOLUBILITY (H2O): negligible
PERCENT VOLATILES: nil
EVAPORATION RATE: 1000X slower than ethyl ether
pH: essentially neutral

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9. P H Y S I C A L A N D C H E M I C A L P R O P E R T I E S - C o n t i n u e d

VISCOSITY: 340 SUS @ 100°F

Physical data may vary slightly to meet specifications.

10. S T A B I L I T Y A N D R E A C T I V I T Y

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY)

Sources of ignition.

INCOMPATIBLE MATERIALS

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion may produce carbon monoxide and other asphyxiants.

HAZARDOUS POLYMERIZATION: will not occur

11. T O X I C O L O G I C A L I N F O R M A T I O N

ACUTE STUDIES

Tests on similar materials show a low order of acute oral and dermal toxicity.

EYE EFFECTS

Minimal irritation on contact.

SKIN EFFECTS

Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated contact.

ACUTE ORAL EFFECTS

Tests on similar materials indicate low order of acute oral toxicity.

ACUTE INHALATION EFFECTS

Low acute toxicity expected on inhalation.

MUTAGENICITY (GENETIC EFFECTS)

This product has been tested by modified ames to have a MI less than 1 which would not be predicted to be tumorigenic in a mouse skin-painting bioassay.

MISCELLANEOUS TOXICOLOGICAL INFORMATION

This product meets the IP346 European Labelling Requirements Exemption.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Dermatitis and Sensitive skin.

This product is severely hydrotreated. Severely hydrotreated naphthenic petroleum oil has not been found to be carcinogenic or a potential carcinogen. This product is not listed as carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA. Nevertheless, good industrial hygienic practices are recommended.

12. E C O L O G I C A L I N F O R M A T I O N

No specific ecological data are available for this product. Please refer to section 6 for information regarding accidental releases and section 15 for regulatory reporting requirements.

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13. D I S P O S A L C O N S I D E R A T I O N S

Follow federal, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used", RCRA criteria must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service. If permitted incineration may be practical. Recommend recycling.

RCRA INFORMATION

Not a RCRA hazardous waste if uncontaminated.

14. T R A N S P O R T I N F O R M A T I O N

PROPER SHIPPING NAME: Not regulated by DOT

HAZARD CLASS: Not applicable

DOT IDENTIFICATION NUMBER: N/A

DOT SHIPPING LABEL: Not regulated by DOT

15. R E G U L A T O R Y I N F O R M A T I O N

U.S. FEDERAL REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity: NOT APPLICABLE

SARA 304 Reportable Quantity : NOT APPLICABLE

TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: NOT APPLICABLE

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III - HAZARD CLASSES: Acute Health Hazard

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION

No chemicals in this product exceed the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

EUROPEAN (ECC) REGULATORY INFORMATION

This product is listed on the European Inventory of Existing Commercial Substances.

WHMIS Classification : NOT CONTROLLED

16. O T H E R I N F O R M A T I O N

NFPA HAZARD RATING - HEALTH: 0 Negligible
 - FIRE: 1 Slight
 - REACTIVITY: 0 Negligible

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SUPERCEDES MSDS DATED: 09/02/98

Revised:
regulatory information
ecological information

REVISED 10-13-99:

1. Company contact
2. CAS #

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16. O T H E R I N F O R M A T I O N - C o n t i n u e d

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