



LINCOLN @ Mercury

Motorcraft

Rotunda

Material Safety Data Sheet

FIR No .:

037494

Level: 1

Version Number:

CA-EN-8

Release Date: 2010-05-01

1. Product and Company Identification

Product Name:

Dye-Lite® Leak Detection Dye for Diesel Engine Oil

Product Code:

See Attachment

Application:

Diesel Engine Oil Leak Tracer Dye

Supplier:

Ford Motor Company of Canada

Oakville, Ontario L6J 5E4

1-800-392-3673

Emergency Telephone:

Poison Control Center: 1-800-959-3673

CHEMTREC: U.S. and Canada: 1-800-424-9300 CHEMTREC: International: 1-703-527-3887

2. Composition/Information on Ingredients

This chemical product is a preparation.

Chemical Name

CAS Number

Percent

Hazard

64742-52-5

Concentration

Classification

PETROLEUM DISTILLATES,

HYDROTREATED HEAVY

60-100

HAZCOM RSMS_P_SOM

NAPHTHENIC

WHITE MINERAL OIL

8042-47-5

10-30

HAZCOM

3. Hazards Identification

Health:

This product may cause irritation to the eyes, respiratory system, and

Exposure to oil mist/fume/vapor may cause respiratory tract irritation. If ingested, this product may cause gastrointestinal irritation.

Ingestion of this product may cause nausea, vomiting and diarrhea. Aspiration hazard if swallowed; can enter lungs and cause damage.

Physical and Chemical Hazards:

This product is combustible at high temperatures.

4. First-Aid Measures

Inhalation:

If gas/fume/vapor/dust/mist from the material is inhaled, remove the

affected person immediately to fresh air. If irritation persists, get medical attention.

Skin Contact:

Wash skin with soap and water.

If irritation persists, get medical attention.

Eye Contact:

In case of contact with eyes, rinse immediately with plenty of water for

at least 15 minutes and seek medical attention. If irritation persists, get medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice

- Do not induce vomiting.

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Notes to a Physician:

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If the affected person is not breathing, apply artificial respiration.

This material, if aspirated into the lungs, may cause chemical

pneumonitis; treat the affected person appropriately.

5. Fire-Fighting Measures

Extinguishing Media:

EXTINGUISHER INFORMATION: Dry chemical, foam, carbon dioxide,

water fog.

Specific Hazards:

Irritating and/or toxic fumes and gases may be emitted upon the

product's decomposition.

Vapors may form explosive mixture with air.

Protection of Firefighters:

Fire fighters should be equipped with NIOSH-approved, self-contained

breathing apparatus (SCBA) and full protective clothing.

6. Accidental Release Measures

Personal Precautions:

Avoid inhalation of vapor, fumes, dust and/or mist from the spilled

material.

Eliminate all sources of ignition or flammables that may come into

contact with a spill of this material.

Environmental Precautions:

Do not allow the spilled product to enter public drainage system or

open water courses.

Methods for Cleaning Up:

Absorb the spilled material with an inert absorbent (nonflammable)

material.

7. Handling and Storage

Handling:

Technical Measures:

Keep this product from heat, sparks, or open flame.

Precautions and Advice for Safe

Handling:

Avoid breathing vapor or mist.

Use this product with adequate ventilation.

Storage: Technical Measures:

Do not reuse the empty container.

Storage Conditions:

Avoid prolonged exposure of the container to direct sunlight.

Store this product in a cool, dry, well-ventilated place.







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8. Exposure Controls/Personal Protection

Engineering Measures:

General (mechanical) room ventilation is expected to be satisfactory if

handled at low temperatures or in covered equipment. Local

ventilation is needed in the presence of airborne mists.

Control Parameters:

If oil mist is generated, observe the OSHA exposure limit of 5 mg/m3.

Ford Motor Company recommends an exposure limit of 1.0 mg/m3.

Personal Protective Equipment:

If engineering controls do not maintain airborne concentrations to a Respiratory Protection:

level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard

CSA Z94.4.

Hand Protection:

Use impervious gloves.

Eye Protection:

Wear chemical goggles.

Eye wash fountains are required.

Skin and Body Protection:

Light protective clothing is recommended.

Hygiene Measures:

Wash thoroughly after handling.





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0.9 H2O=1

Specific Gravity:

LIQUID

Physical State: Odor:

MILD BLAND PETROLEUM

Color:

DARK BROWN

pH:

N.AP

Temperature Range During which Changes

in Physical State Occur:

Boiling Point:

>+100 °C

Flash Point:

>93.3 °C SETAFLASH

Auto-ignition Temperature:

ND

Explosion Properties:

UEL:

9. Physical and Chemical Properties

ND

LEL:

ND

Vapor Pressure:

<0.01@20C mmHg

Vapor Density:

>5 (AIR=1)

Solubility:

INSOLUBLE IN WATER

Viscosity:

20 cSt 40°C

Evaporation Rate:

<0.01 (BuAc = 1)

10. Stability and Reactivity

Stability:

This is a stable material.

Hazardous polymerization will not occur.

Conditions and Materials to Avoid:

This product may react with oxidizing agents. This product may react with reducing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, and other low molecular weight

hydrocarbons.

Decomposition of this product may yield oxides of nitrogen upon

decomposition.

11. Toxicological Information

Skin Contact:

Prolonged and/or repeated skin contact with this product may cause

irritation/dermatitis.

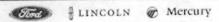
Chronic (Long Term) Toxicity:

Base oil severely refined: Not carcinogenic in animal studies.

Representative material passes IP-346, Modified Ames test, and/or

other screening tests.





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12. Ecological Information

No specific aquatic data available for this product.

13. Disposal Considerations

Waste from Residues:

Dispose of waste material according to Local, State, Federal, and

Provincial Environmental Regulation.

Contaminated Packaging:

No consideration given when disposed of according to local, state, and

Federal regulations.



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14. Transport Information

U.S. Department of Transportation (DOT) 49 - CFR 172.101

This product is not regulated as a dangerous good.

Canadian Transportation of Dangerous Goods (T.D.G.) - TDGR Schedule II

This product is not regulated as a dangerous good.

Secretary of Communication and Transportation (SCT) - NOM-002-SCT2/1994 (Mexico)

This product is not regulated as a dangerous good.

International and Domestic Air Transportation - ICAO & IATA Section 4.2

This product is not regulated as a dangerous good.

International Water Transportation - IMDG Code Amendment 31-02

This product is not regulated as a dangerous good.

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

CLASS D DIVISION 2 SUBDIVISION B: Poisonous/Infectious Material Causing Other Toxic Effects - Toxic Material Material contains a chemical which is a Ford Motor Company Material of Concern. Use and release of this material should be minimized to the greatest extent possible.

16. Other Information

Key/Legend: N.AP = Not applicable; N.AV = Not available; ND = Not determined or No data; TLV = Threshold limit value; TWA = Time-weighted average; STEL = Short-term exposure limit; C = Ceiling limit

The following sections contain revisions OR 2

NEW statements.

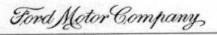
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Preparation Information:

The chemical identification and properties for this material were provided by the manufacturer. For Canadian locations, a manufacture's MSDS is available upon request. Health and safety information has been evaluated by the Occupational and Environmental Health Sciences Department, Ford Motor Company, Diagnostic Service Center II, 1800 Fairlane Drive, Allen Park, MI 48101, USA.

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Disclaimer:

The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the

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Attachment

Product Code

Container Size

Part of Kit

Kit Product Code

164-R3708

24 - 1 fl oz (29.5 mL) bottles

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