



Material Safety Data Sheet

FIR No.: 022788
Version Number: CA-EN-2

Level: 2
Release Date: 2008-07-24

1. Product and Company Identification

Product Name: Dye-Lite® Coolant System Dye
Product Code: See Attachment
Application: Cooling System 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.
Contains no other ingredients now known to be hazardous as defined by the applicable regulations.

3. Hazards Identification

Health: May cause skin, eye and respiratory tract irritation.
If ingested, this product may cause gastrointestinal irritation.
Physical and Chemical Hazards: This product is not combustible.

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 attention or advice -- Vomiting should be induced by or under the direction of a physician or Poison Control Center.
Notes to a Physician: If the affected person is not breathing, apply artificial respiration.

5. Fire-Fighting Measures

Extinguishing Media: EXTINGUISHER INFORMATION: Dry chemical, foam, carbon dioxide, water fog.
Specific Methods: Use water to cool fire-exposed containers, structures, and to protect personnel.



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Specific Hazards: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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 vapors and contact with skin and eyes.

Environmental Precautions: Not applicable

Methods for Cleaning Up: Absorb the spilled material with an inert absorbent (nonflammable) material.

7. Handling and Storage

Handling:

Technical Measures: Do not allow the product to freeze.

Precautions and Advice for Safe Handling: Avoid breathing vapor or mist.
Avoid getting this material into contact with your skin and eyes.

Storage: Technical Measures: Do not reuse the empty container.

Storage Conditions: Avoid prolonged exposure of the container to direct sunlight.
Keep the container tightly closed and dry.
Keep this material in a cool, well-ventilated place.

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.



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Personal Protective Equipment:

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a 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: Eye wash fountains are required. Wear chemical goggles.

Skin and Body Protection: Light protective clothing is recommended.

Hygiene Measures: Wash thoroughly after handling.

9. Physical and Chemical Properties

Specific Gravity: 1

Physical State: LIQUID

Odor: ODORLESS

Color: BROWN

pH: 9 ASTM D1293

Temperature Range During which Changes in Physical State Occur:

Boiling Point: >+100 °C

Flash Point: >93.3 °C N.AV

Auto-ignition Temperature: ND

Explosion Properties:

UEL: ND

LEL: ND

Vapor Pressure: N.AV

Vapor Density: N.AV

Solubility: COMPLETE IN WATER

Viscosity: 1.3@40°C cSt

Evaporation Rate: ND



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10. Stability and Reactivity

Stability:

This is a stable material.
Hazardous polymerization will not occur.

Conditions and Materials to Avoid:

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

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, and other low molecular weight hydrocarbons.
Irritating and/or toxic fumes may be emitted upon the product's decomposition.

11. Toxicological Information

518-47-8 SODIUM FLUORESCHEIN
Oral, adult rat, LD50 = 6721 mg/kg

Skin Contact:

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

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.



LINCOLN



Mercury

Motorcraft

Rotunda

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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.
Not a controlled product.

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

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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.

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 user.



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Attachment

Product Code	Container Size	Part of Kit	Kit Product Code
164-R3702 (Obsolete)	24 - 1 fl oz (29.5 mL) bottles		
164-R3703 (Obsolete)	Dye Assortment Kit - Large		
164-R3704 (Obsolete)	Dye Assortment Kit - Small		
164-R3707 (Obsolete)	12 - 1 fl oz (29.5 mL) bottles		
164-R3757	6 - 1 fl oz (29.5 mL) bottles		
164-R3758	8 fl. oz. (237 mL)	LeakFinder™ Wind & Water Kit	164-R3756