



**Material Safety Data Sheet**

**FIR No.:** 158724  
**Version Number:** CA-EN-5

**Level:** 1  
**Release Date:** 2010-08-16

**1. Product and Company Identification**

**Product Name:** Fuel Injector Cleaner  
**Product Code:** See Attachment  
**Application:** Fuel injector cleaner  
**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 Concentration	Hazard Classification
STODDARD SOLVENT	8052-41-3	30-60	ACGIH/OSHA DSL LISTED HAZCOM PEL/TLV-US WHMIS 1 RSMS_D_ALL
HYDROTREATED LIGHT DISTILLATE (PETROLEUM)	64742-47-8	10-30	DSL LISTED HAZCOM

**3. Hazards Identification**

**Health:** Aspiration hazard if swallowed; can enter lungs and cause damage. Inhalation of mist and vapors may irritate the nose, throat, and lungs. This product may cause irritation to the eyes and respiratory system. If ingested, this product may cause gastrointestinal irritation. Ingestion of this product may cause nausea, vomiting and diarrhea. Overexposure may cause central nervous system depression.

**Physical and Chemical Hazards:** Combustible liquid.  
Vapor harmful.

**Environment:** Harmful to fish and other water organisms.

**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.



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**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.

**Most Important Symptoms Effects:** Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

**Notes to a Physician:** This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately. If the affected person's breathing is difficult, give oxygen. If the affected person is not breathing, apply artificial respiration.

**5. Fire-Fighting Measures**

**Extinguishing Media:** Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

**Specific Methods:** Water may be used to cool exposed containers to prevent pressure build-up and explosion when exposed to extreme heat.

**Specific Hazards:** Flammable at all temperatures above the flash point on contact with an ignition source. Vapors emitted may form a flammable mixture with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers. 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 excessive 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. Take precautionary measures against static discharges. Wear appropriate protective equipment and clothing during clean-up.

**Environmental Precautions:** Do not allow the spilled product to enter public drainage system or open water courses. Do not allow this material to drain into sewers/water supplies.



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**Methods for Cleaning Up:** Stop the flow of material, if this is without risk.  
 Dike the spilled material, where this is possible.  
 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.  
 Take precautionary measures against static discharges.

**Precautions and Advice for Safe Handling:** Elevated temperature or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, and lungs.  
 Avoid breathing vapors or mist.  
 Avoid contact with skin, eyes and clothing.  
 Keep the container closed when not in use.  
 Use with adequate ventilation.

**Storage:** Do not store at temperatures above 120°F (49°C)

**Technical Measures:** Do not allow the product to freeze.

**Storage Conditions:** Keep the container tightly closed and dry.  
 Store this product in a cool, dry, well-ventilated place.  
 Store this product away from strong oxidizing agents.  
 Keep away from children.

### 8. Exposure Controls/Personal Protection

**Engineering Measures:** Eyewash and emergency showers are recommended.  
 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/m<sup>3</sup>.  
 Ford Motor Company recommends an exposure limit of 1.0 mg/m<sup>3</sup>.

<b>Exposure Limits:</b>		
Chemical Name	TWA	References
STODDARD SOLVENT	100(ppm)	ACGIH



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**Personal Protective Equipment:**

**Respiratory Protection:** None required under normal conditions.  
 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:** The use of polyvinyl alcohol (PVA) gloves is recommended.  
 The use of Viton gloves is recommended.,  
 The use of neoprene gloves is recommended.

**Eye Protection:** Do not wear contact lenses when working with this substance.  
 Wear safety glasses with side shields.

**Skin and Body Protection:** Wear protective clothing sufficient to cover exposed skin surfaces.

**Hygiene Measures:** Wash contaminated clothing before reuse.  
 Wash thoroughly after handling.  
 When using this material, do not eat, drink or smoke.

**9. Physical and Chemical Properties**

**Specific Gravity:** 0.88 H<sub>2</sub>O=1 @15°C

**Physical State:** LIQUID

**Odor:** HYDROCARBON

**Color:** YELLOW

**pH:** N.A.P

**Temperature Range During which Changes in Physical State Occur:**

**Boiling Point:** N.AV

**Flash Point:** 45 °C CLOSED CUP

**Auto-ignition Temperature:** N.AV

**Explosion Properties:**

**UEL:** N.AV

**LEL:** N.AV

**Vapor Density:** N.AV

**Solubility:** INSOLUBLE IN WATER

**Viscosity:** <5@40°C cSt Birgy

**Evaporation Rate:** N.AV



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**10. Stability and Reactivity**

**Stability:** Stable at ambient and moderately elevated temperatures and pressures.  
Hazardous polymerization will not occur.

**Conditions and Materials to Avoid:** This product may react with strong oxidizing agents (bleach--sodium hypochlorite, calcium hypochlorite, hydrogen peroxide, permanganate, nitric acid, concentrated OXYGEN, perchlorates).

**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**

**Inhalation:** Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

**Skin Contact:** No skin irritation can be expected from single short-term exposure to this product. Prolonged or repeated contact may produce some irritation.

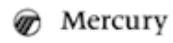
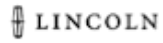
**Eye Contact:** Direct contact with eye causes irritation.

**Ingestion:** Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

**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.  
Long-term overexposure may cause blood, liver and kidney effects. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. There may be some small amount of aromatic hydrocarbons (benzene, toluene, and xylene) in Stoddard solvent. Although the toxicity of Stoddard solvent is not attributable to any one type of constituent, the aromatic components are considered to be more toxic than the other components of Stoddard solvent.

**12. Ecological Information**

**Ecotoxicity:** The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.



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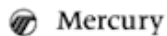
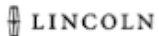
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**13. Disposal Considerations**

**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

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

UN Number: UN1268

Hazard Class / Division: 3

Packing Group: III

Regulated Quantity:

Bulk Non-Bulk Limited Quantity
X

Label: FLAMMABLE LIQUID

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

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

UN Number: UN1268

Hazard Class / Division: 3

Packing Group: III

Regulated Quantity:

Bulk Non-Bulk Limited Quantity
X

Label: FLAMMABLE LIQUID

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

Proper Shipping Name: DESTILADOS DE PETROLEO, N.E.P.

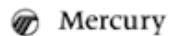
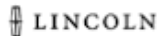
UN Number: UN1268

Hazard Class/Division: 3

Packing Group: III

Regulated Quantity:

Bulk Non-Bulk Limited Quantity
X X



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**International and Domestic Air Transportation - ICAO & IATA Section 4.2**

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.  
 UN Number: UN1268  
 Hazard Class/Division: 3  
 Packing Group: III  
 Label: FLAMMABLE LIQUID

**International Water Transportation - IMDG Code Amendment 31-02**

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.  
 UN Number: UN1268  
 Hazard Class/Division: 3  
 Flashpoint: +45 °C CLOSED CUP  
 Packing Group: III

Regulated Quantity:

Bulk	Non-Bulk	Limited Quantity
X	X	

Label: FLAMMABLE LIQUID

**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 B DIVISION 3: Combustible Liquids

CLASS D DIVISION 2 SUBDIVISION B: Poisonous/Infectious Material Causing Other Toxic Effects - Toxic Material

This product contains an ingredient present on the WHMIS (0.1%) Ingredient Disclosure List.

This product contains an ingredient present on the WHMIS (1.0%) Ingredient Disclosure List.

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.** 8  
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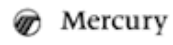
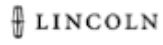
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**Preparation Information:**

The chemical identification and properties for this material were provided by the manufacturer. For Canadian locations, a manufacturer'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**

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<b>Product Code</b>	<b>Container Size</b>	<b>Part of Kit</b>	<b>Kit Product Code</b>
CXC-99	250 mL		

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