



Material Safety Data Sheet

Product Name: MOTORCRAFT PREMIUM LONG-LIFE GREASE
FIR No. 046977
Version Number: US-US-2

Level: 2
Release Date: 2004-11-24

1. Product and Company Identification

Product Name: MOTORCRAFT PREMIUM LONG-LIFE GREASE
Product Code: See Attachment
Application: Wheel bearing grease
Supplier: Ford Motor Company
 Attention: MSDS Information, P.O. Box 1899
 Dearborn, Michigan 48121
 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
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	>30-60	HAZCOM
RESIDUAL OILS (PETROLEUM), SOLVENT REFINED	64742-01-4	>30-60	HAZCOM
MOLYBDENUM DISULFIDE	1317-33-5	0.1-<1	RSMSREST

3. Hazards Identification

CAUTION

Health: This product may cause irritation to the eyes, respiratory system, and skin.
 This product may be harmful or toxic by skin absorption.

Environment: Material contains a chemical which is a Hazardous Air Pollutant (HAP), regulated by the United States Clean Air Act.

4. First-Aid Measures

Inhalation: If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air.

Skin Contact: For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



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Ingestion: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Notes to a Physician: If the affected person is not breathing, apply artificial respiration. If the affected person's breathing is difficult, give oxygen.

5. Fire-Fighting Measures

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

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

Specific Hazards: 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. Water or foam may cause frothing if the product is heated above 93 degrees C (200 degrees F).

Protection of Firefighters: Wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions: Avoid skin contact and inhalation of vapors during disposal of spills. Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions: Do not allow this material to drain into sewers/water supplies.

Methods for Cleaning Up: Absorb the spilled material with an inert absorbent (nonflammable) material. Dike the spilled material, where this is possible. Attempt to reclaim the free product, if this is possible.

7. Handling and Storage

Handling:

Technical Measures: Keep this product from heat, sparks, or open flame. HEATING: This product contains Zinc Dialkyldithiophosphata (ZDDP) and should not be heated above 70 degrees C (160 degrees F). Higher temperatures can result in thermal decomposition of the ZDDP and release highly toxic hydrogen sulfide and, possibly, odourous alkyl mercaptans. Hydrogen sulfide smells like rotten eggs in low concentrations but quickly fatigues the sense of smell. It may cause respiratory irritation and failure without any warning odor being sensed. Alkyl mercaptans can be smelled at extremely low concentrations and vapours may travel for a long distance.



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Precautions and Advice for Safe Handling:

Avoid breathing fumes if this product is used at high temperatures.
Avoid getting this material into contact with your eyes.
Avoid prolonged or repeated skin contact with this material.

Storage:

Technical Measures:

Do not reuse the empty container.

Storage Conditions:

Keep the container tightly closed and in a cool, well-ventilated place.
Store this product away from strong oxidizing agents.

8. Exposure Controls/Personal Protection

Engineering Measures:

Use general ventilation.

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:

Hand Protection:

Use of impervious gloves is recommended, such as neoprene.

Eye Protection:

Wear safety glasses with side shields.

Skin and Body Protection:

Remove contaminated clothing and wash before reuse.



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9. Physical and Chemical Properties

Specific Gravity: N.AV
Physical State: PASTE
Odor: HYDROCARBON
Color: GRAY-BLACK
pH: N.AV
Temperature Range During which Changes in Physical State Occur:
Flash Point: +226.667 °C COC
Auto-ignition Temperature: +360 °C (680 F)
Explosion Properties:
 UEL: N.AV
 LEL: N.AV
Vapor Density: >1 (AIR = 1)
Solubility: INSOLUBLE
Evaporation Rate: ND

10. Stability and Reactivity

Stability: This is a stable material.
 Instability caused by heat, flame and sparks.
 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.

11. Toxicological Information

Inhalation: Exposure to oil mist/fume/vapor may cause respiratory tract irritation.

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.



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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 available information.



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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 contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

This product contains trace amounts of chemicals (<0.01%) being listed on California Prop 65 list.

This product contains an ingredient(s) considered to be a hazardous substance by the State of Pennsylvania (Pennsylvania Worker and Community Right to Know Act).

This product contains an ingredients(s) considered to be a hazardous substance(s) by the State of New Jersey.

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

Use only as directed.

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

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, Central Laboratory Building - Room S-120, 15000 Century Drive, Dearborn, MI 48120

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
XG-1-C	14 oz		
XG-1-K	120 lb		
XG-1-T	2 lb		