



MATERIAL SAFETY DATA SHEET

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MSDS Code: DFST

Date Issued: 06/30/08

Replaces Issue: 04/02/07

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: PROLONG SUPER DUTY DIESEL FUEL SYSTEM TREATMENT  
(As Used on Label and List) PROLONG DIESEL FUEL TREATMENT

PRODUCT CODE: DFST

MANUFACTURER NAME AND ADDRESS:

GoldenWest Lubricants, Inc.  
1937 Mount Vernon Avenue  
Pomona, CA 91768

MANUFACTURER PHONE NUMBERS:

Phone: 909.865.1937  
FAX: 909.865.4448

FOR HEALTH OR HAZMAT EMERGENCY:

CHEM-TREC (US & Canada) 800.424.9300  
CHEM-TREC (International) 703.527.3887 (collect)

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

PRODUCT DEFINITION: Diesel Fuel Treatment

CHEMICAL NATURE: Specialty

PRODUCT	CAS # OF COMPONENTS	LIMITS	EXPOSURE GUIDELINES	
			AGENCY	TYPE
Hydrotreated Middle Distillate	64742-46-7	5mg/m <sup>3</sup>	OSHA	PEL/TWA
		10mg/m <sup>3</sup>	ACGIH	TLV / STEL
Aromatic Hydrocarbon	64742-94-5	5mg/m <sup>3</sup>	SUPPLIER RECOMMENDED LIMIT	
Naphthalene	91-20-3	10ppm	OSHA	PEL/TWA
		15ppm	OSHA	TLV/STEL
Oil Mist, If Generated	NONE	5mg/m <sup>3</sup>	ACGIH	TLV/TWA
		10mg/m <sup>3</sup>	ACGIH	TLV/STEL
		5mg/m <sup>3</sup>	OSHA	PEL/Ceiling: None
Proprietary Additives	Mixture			

Please note that the chemical identity of some or all of the above ingredients is confidential information and may be withheld as permitted by 29CFR 1910.1200 and Various State Right To Know Laws

**SECTION 3 - HAZARDS IDENTIFICATION**

HEALTH HAZARDS: May be harmful if inhaled and/or ingested. Avoid breathing of vapors. May cause skin irritation. High vapor/aerosol concentrations may be irritating to eyes and respiratory tract. See Section 11 for further information.

PHYSICAL HAZARDS: Combustible liquid. Liquid or vapor may ignite. Keep away from all sources of ignition.

**SECTION 4 - FIRST AID MEASURES**

INHALATION: Using proper respiratory protection, remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Keep at rest. Seek immediate medical attention.

SKIN CONTACT: In case of skin contact, remove any contaminated clothing and wipe excess off. Wash skin with soap and water or a waterless hand cleaner followed by soap and water. Launder or dry-clean clothing before reuse and discard shoes and other leather articles saturated with the material. Get medical attention if irritation persists or develops.



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### EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes, while holding eyelids open. Seek immediate medical attention if irritation persists.

### INGESTION:

Do not induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

**NOTE TO PHYSICIANS:** Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

## SECTION 5 - FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Foam, water spray (fog), dry chemical, and carbon dioxide. Water spray can be used to cool and protect containers exposed to heat and flame.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustible liquid. Can form combustible mixtures at temperatures at or above flashpoint. Materials can accumulate static charges, which can cause an incendiary electrical discharge. Toxic fumes or vapors may evolve on burning. This liquid is volatile and gives off invisible vapors. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights or other flames and ignition sources at locations distant from material handling point. Container may rupture on heating.

**SPECIFIC METHODS/ PROTECTION OF FIREFIGHTERS:** Do not enter confined fire space without full Bunker gear (helmet with face shield, Bunker coats, gloves and rubber boots), including a positive-pressure NIOSH approved self-contained breathing apparatus. Isolate "fuel" supply from fire. Avoid spraying water directly into storage containers due to danger of boilover.

**DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:** Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates and gases will evolve when this material undergoes pyrolysis or combustion. Fumes, smoke, carbon monoxide and other products of incomplete combustion may be found upon combustion.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Personnel protective equipment must be worn (See Section 8). Minimize contact with skin and clothing.

**ENVIRONMENTAL PRECAUTIONS:** Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, water courses, or extensive land areas. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Assure conformity with applicable governmental regulations. Contact the coast guard national response center (800) 424-8802 if a spill or any amount is made into or upon U.S. navigable waters, the contiguous zone or adjoining shorelines.

**METHODS FOR CLEANING UP:** Ventilate spill area if in confined or poorly ventilated area. Pick up free liquid with explosion proof or hand pump for recycle and/or disposal. Residual material can be absorbed on inert material. Do not use combustible materials such as sawdust.

## SECTION 7 - HANDLING AND STORAGE

### HANDLING

**TECHNICAL MEASURES:** Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.



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**PREVENTION OF USER EXPOSURE:** Avoid contact with eyes. Avoid prolonged or repeated contact with skin and clothing. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

**PREVENTION OF FIRE AND EXPLOSION:** Refer to Section 5.

**PRECAUTIONS:** Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

**SAFE HANDLING ADVICE:** Refer to Section 10.

### STORAGE

**TECHNICAL MEASURES:** Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

**STORAGE CONDITIONS:** Store in a cool, dry ventilated area. Keep containers tightly closed and upright when not in use.

**INCOMPATIBLE PRODUCTS:** Refer to Section 10.

**PACKAGING MATERIALS:** The original Prolong container is the recommended storage material for this product.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING MEASURES

**CONTROL PARAMETERS:** The use of local exhaust ventilation is recommended to control process emissions near source. Laboratory samples should be stored and handled in lab hood. Provide mechanical ventilation of confined spaces. No smoking. Keep away from flame or other ignition sources.

### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved full face respirator with a combination organic vapor and IGH efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, poorly ventilated areas and for large spill clean-up sites.

**HAND PROTECTION:** Use chemical-resistant gloves to avoid prolonged or repeated skin contact.

**EYE PROTECTION:** Wear chemical splash goggles with side shields or face shield.

**SKIN AND BODY PROTECTION:** Long sleeve shirt is recommended. Use of chemical-resistant apron or other impervious clothing recommended. Chemically resistant boots are also recommended. Launder clothing before reuse.

**HYGIENE MEASURES:** Minimize breathing vapor, mist or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before re-use. Remove contaminated shoes and thoroughly clean before re-use; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

FLASHPOINT: 87°C COC (Typical)

COLOUR: Amber

DENSITY (lbs/gal): 7.52

ODOUR: Strong

APPEARANCE: Clear liquid

pH @ 25°C: Not Determined

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.90 @ 15.6°C

VAPOR PRESSURE (mm Hg): Not Determined



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% VOLATILE BY VOLUME: Not Determined

VAPOR DENSITY (AIR = 1): Not Determined

BOILING POINT: Not Determined

EVAPORATION RATE (Butyl Acetate = 1): Not Determined

MELTING POINT (°C): Not Determined

SOLUBILITY IN WATER (20°): Negligible

### SECTION 10 - STABILITY AND REACTIVITY

**STABILITY:** Normally stable at moderately elevated temperatures and pressures.

**CONDITIONS TO AVOID:** Avoid contact with open flames or heat.

**MATERIALS TO AVOID:** Avoid contact with strong oxidants.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**PRIMARY ROUTES OF ENTRY OR EXPOSURE:** Skin absorption, eye contact, inhalation and ingestion.

**INHALATION:** Vapor concentrations above recommended exposure limits are irritating to the eyes and respiratory tract. May cause headaches and dizziness, are anesthetic and may have other central nervous system effects, including death based on data from components or similar materials.

**SKIN:** Slightly irritating to the skin. Prolonged and repeated contact may result in various skin disorders such as dermatitis. Skin contact may aggravate existing dermatitis condition based on data from components or similar products.

**EYE:** May cause eye irritation based on data from components or similar products.

**INGESTION:** Ingestion of material may result in vomiting; Aspiration (breathing of vomitus into the lungs) must be avoided as even small quantities may result in aspiration pneumonitis. Ingestion may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain. Ingestion may cause CNS depression based on data from components or similar materials.

**ACUTE TOXICITY:** Pre-existing skin and respiratory disorders may be aggravated by exposure.

**CHRONIC TOXICITY:** May contain trace amounts of ethylene oxide (CAS# 75-21-8), a condition which creates the potential for accumulation of ethylene oxide in the head space of shipping and storage containers and in enclosed areas where the product is being handled or used. Ethylene oxide is considered by OSHA, IARC, and NTP as a potential carcinogen for humans, and may also present reproductive, mutagenic genotoxic, neurologic and sensitization hazards in humans. If this product is handled with adequate ventilation, the presence of these trace amounts is not expected to result in any short term or long term hazards. Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks, which may vary, from person to person. As a precaution, exposure to liquids, vapors mists or fumes should be minimized.

**SPECIAL EFFECTS:** Irritation as noted above. Aspiration pneumonitis may be evidenced by coughing; labored breathing and cyanosis (bluish skin); in sever cases may be fatal.

### SECTION 12 - ECOLOGICAL INFORMATION

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate and remove with inert absorbent.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Dispose in an environmentally safe manner and in accordance with governmental regulations.



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**SECTION 14 - TRANSPORTATION INFORMATION**

DOT CLASSIFICATION: COMBUSTIBLE LIQUID, NOS (AROMATIC HYDROCARBON), 3, NA 1993, PGIII

DOT BULK SHIPPING CLASSIFICATION: COMBUSTIBLE LIQUID, NOS (AROMATIC HYDROCARBON), 3, NA 1993, PGIII

IMDG CODE: COMBUSTIBLE LIQUID, NOS (AROMATIC HYDROCARBON), 3, NA 1993, PGIII

TRANSPORTATION INCIDENT INFORMATION: For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents.

**SECTION 15 - REGULATORY INFORMATION**

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUES:

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA SECTIONS 301-304): No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen) for SARA Section 302.

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA SECTION 313): This product contains the following substances subject to the reporting requirements of SARA III Section 313 1986 and 40 CFR part 372:  
Naphthalene CAS# 91-20-3 3.0% Max

REPORTABLE QUANTITY (RQ), EPA REGULATION 40 CFR 302 (CERCLA SECTION 102):  
Naphthalene Reportable quantity: 3,375lbs

CALIFORNIA PROP 65: This product contains chemicals known to the state of California to cause cancer, birth defects, and/or reproductive harm.

TSCA INVENTORY: All components are listed on the TSCA inventory.

CANADIAN DSL: All components are listed on the Canadian Domestic Substances List.

WHIMIS: Class B, Division 3, Combustible liquids

NOTE: State and local regulatory requirements may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding other regulatory requirements.

**SECTION 16 - OTHER INFORMATION**

The information and recommendation herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. Prolong Super Lubricants, Inc. does not warrant or guarantee their accuracy or reliability, and shall not be liable for any loss or damage arising out of the use thereof. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

Since the conditions for use, handling, storage and disposal of this product are beyond Prolong Super Lubricants' Inc. control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage or expense arising out of the improper use from any statement or omission in this MSDS.

Various government agencies, (e.g. DOT, EPA, FDA, etc.) may have specific policies concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to insure full compliance.



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The recipient of a MSDS is responsible for acting in accordance with a risk assessment in regard of the conditions of product use and for taking necessary precautionary measures in a given work situation, and has the responsibility to keep the users informed about the hazards relevant to their individual workplace. The recipient of a MSDS is responsible for choosing the appropriate way of informing the users. When formulating the specific instructions for the workplace, the recipient should consider the general recommendations of the relevant MSDS. Since a MSDS is merely product-related, it cannot take into account all the possible situations that may arise at any given workplace.<sup>1</sup>

This MSDS is generated using an ISO 11014-1:994(E) Safety data sheet for chemical products International Standards, PART 1: Section 4 - General Aspects.

<sup>1</sup> Reference from ISO 11014-1:994(E), PART 1: Section 4.