



MATERIAL SAFETY DATA SHEET

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MSDS Code: AFMT+

Date Issued: 06/30/2008

Replaces Issue: 04/02/2007

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PROLONG HYDRAULIC SYSTEM TREATMENT
(As Used on Label and List)

PRODUCT CODE: PHST

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: Mixture (Preparation)

CHEMICAL NATURE: Petroleum/Chemical Mixture

PRODUCT	CAS # OF COMPONENTS	LIMITS	EXPOSURE GUIDELINES	
			AGENCY	TYPE
Hydrotreated Heavy Paraffinic Distillate	64742-54-7	5mg/m ³	ACGIH	TLV / TWA
		5mg /m ³	ACGIH	TLV / STEL
Aromatic Petroleum Distillates	64742-94-5	300ppm	ACGIH	TLV / STEL
		500ppm	ACGIH	TLV / TWA
Distillates (petroleum), Solvent-Dewaxed Heavy Paraffinic	64742-65-0	5mg/m ³	ACGIH	TLV / TWA
		5mg /m ³	ACGIH	TLV / STEL
Proprietary Additives	Mixture		None Established	

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. All the components of this material are listed on the TSCA Chemical Substances inventory.

SECTION 3 - HAZARDS IDENTIFICATION

Eye: May cause stinging irritation, tearing, or redness.

Skin Contact: Repeated or prolonged contact may cause dryness or irritation.

Ingestion: May cause mouth and throat irritation when swallowed; ingestion of large quantities may cause discomfort.

Inhalation: If used in applications where mist is generated, may cause irritation to nose and throat.

Signs and Symptoms of Exposure: Irritation to skin, watering or redness in eyes, discomfort, throat irritation if swallowed.



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SECTION 4 - FIRST AID MEASURES

Eye: Flush with water. If irritation occurs, call for medical assistance.

Skin Contact: Remove contaminated clothing. Wash with soap and water. Call for medical attention if symptoms prevail.

Ingestion: DO NOT induce vomiting. Get medical assistance.

Inhalation: Remove person to fresh air. Call for medical attention if needed.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >300° Method: ASTM D-92

Flammable Limits (% by volume in air): Lower: Not Determined Upper: Not Determined

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

NFPA Ratings: Health- 1 Flammability- 1 Reactivity- 1

Fire Fighting Instructions: Wear protective clothing and self-contained breathing apparatus. Extinguish with foam, dry chemical, carbon dioxide.

Combustion or Decomposition Products: May cause dense smoke, oxides of carbon, hydrogen chloride, nitrogen, sulfur, and calcium.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CHEM-TEL (US & Canada) 800.255.3924
CHEM-TEL (International) 813.248.0585 (collect)
U.S. Coast Guard National Response Center: (800) 424-8802

Spill Procedures: Personal Protective Equipment must be worn; see section 8 for recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

SECTION 7 - HANDLING AND STORAGE

HANDLING

TECHNICAL MEASURES: Avoid generating oil mists while handling. Excessive misting may cause slippery floors. Proper footwear is required. Keep containers closed when not in use. Maintain minimal handling temperatures. Avoid excessive heat, open flame or ignition sources, or heating product above flash point. (300°F COC [Min]) - Do not smoke -

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. Avoid inhalation of fumes. Handle in well-ventilated area. Do not take internally. Keep out of the reach of children. (See Sections 3, 5, 6 & 8.)



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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Use chemical goggles or face shield.

Skin Protection: Contact may be minimized by wearing protective clothing and oil resistant gloves.

Respiratory Protection: Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and large spill clean-up sites.

Engineering Controls: Good general ventilation should be sufficient to control airborne levels below exposure limits. A local exhaust is recommended in enclosed areas.

Clothing Recommendation: Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, amber liquid

ODOR: Characteristic petroleum odor

PHYSICAL STATE: Liquid

SOLUBILITY IN WATER (20°): Negligible

MELTING POINT (°C): Not Applicable

DENSITY (lbs/gal): 9.08 to 9.33

BOILING POINT (°C): Not Determined

pH @ 25°C: Not Determined

SPECIFIC GRAVITY (H₂O = 1): 1.08 @ 15.6°C (Typical)

VAPOR PRESSURE (mm Hg): Not Determined

% VOLATILE BY VOLUME: Not Determined

VAPOR DENSITY (AIR = 1): Not Determined

VOC (lbs/gal): Not Determined

VISCOSITY: 4.91 cSt @ 100°C (Typical)

FLASHPOINT (°C): 148.8 COC (MIN)

EVAPORATION RATE (Butyl Acetate = 1): Not Determined

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Decomposition Products: May cause dense smoke, oxides of carbon, hydrogen chloride, nitrogen, sulfur, and calcium.

Chemical Stability: Material is normally stable at room temperature and pressure. See the Handling and Storage section for further details.

CONDITIONS TO AVOID: Avoid heating to decomposition.

Incompatibility with other Materials: Strong oxidizing and reducing agents and acids.

HAZARDOUS POLYMERIZATION: Will not occur.



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SECTION 11 - TOXICOLOGICAL INFORMATION

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

INHALATION: Exposure to vapor or mist is possible. High gas or vapor or mist concentration may be harmful if inhaled repeatedly or for prolonged periods of time, based on data from components or similar products.

SKIN: Not expected to cause skin irritation or injury during normal industrial use, based on toxicological tests of this product. Prolonged or repeated skin contact may cause skin irritation, including redness, burning, drying, cracking, skin burns, dermatitis, oil acne and folliculitis based on data from components.

EYE: Not expected to cause eye irritation or injury during normal industrial use, based on toxicological tests of this product.

INGESTION: Single dose toxicity is low, based on toxicological tests of this product ($LD_{50} > 5\text{gm/kg}_{\text{BW}}$).

ACUTE TOXICITY: Pre-existing skin and respiratory disorders may be aggravated by exposure, based on data from components or similar products. 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.

CHRONIC TOXICITY: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Reports have associated repeated and prolonged overexposure to solvents with permanent nervous system damage.

In animals, high level, long term ingestion of a component of this material, has produced reduced body weight gains, enlarged kidneys, fatty infiltration of the liver and uterine changes. Testicular degeneration was also seen in rats after an 8-week dietary exposure to high levels of the same component.

SPECIAL EFFECTS: Symptoms of overexposure include: Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation (nose, throat, respiratory tract), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness, effects on hearing.)

SECTION 12 - ECOLOGICAL INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate and remove with inert absorbent. No data is available on the adverse effects of this material on the environment. As a precaution, product should be kept out of sewage and drainage systems and bodies of water.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Waste disposal should comply with all Federal, state and local laws.

SECTION 14 - TRANSPORTATION INFORMATION

DOT CLASSIFICATION: Not applicable/Not regulated.

SECTION 15 - REGULATORY INFORMATION



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

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:
None known

REPORTABLE QUANTITY (RQ), EPA REGULATION 40 CFR 302 (CERCLA SECTION 102): No RQ for product known to be greater than 1% or 0.1% (carcinogen).

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

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

WHIMIS: Not Applicable

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

SECTION 16 - OTHER INFORMATION

NFPA: Fire- 1 Health- 1 Reactivity- 1 Specific Hazard- None

HMIS: Health- 1 Fire- 1 Reactivity- 1 Personal Protective Index- C

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.

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.