



MATERIAL SAFETY DATA SHEET

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MSDS Code: EP 2

Date Issued: 02/28/03

Replaces Issue: 01/26/99

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PROLONG EP 2 GREASE
(As Used on Label and List)

PRODUCT CODE: EP 2

MANUFACTURER NAME AND ADDRESS:
Prolong Super Lubricants, Inc.
6 Thomas
Irvine, CA 92618

MANUFACTURER PHONE NUMBERS:
800.201.7599 or 949.587.2700
FAX: 949.587.2701

FOR HEALTH OR HAZMAT EMERGENCY:

CHEM-TEL (US & Canada) 800.255.3924
CHEM-TEL (International) 813.248.0585 (collect)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT DEFINITION: Grease

CHEMICAL NATURE: Extreme pressure lubricant

PRODUCT	CAS # OF COMPONENTS	LIMITS	EXPOSURE GUIDELINES	
			AGENCY	TYPE
Hydrotreated Heavy Paraffinic Distillate -or-	64742-54-7	5mg/m ³	ACGIH	TLV / TWA
		10mg/m ³	ACGIH	TLV / STEL
		5mg/m ³	OSHA	PEL / CEILING: NONE
Petroleum Distillates, Solvent-Dewaxed Heavy Paraffinic -or-	64742-65-0		None Established	
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		None Established	
Calcium Petroleum Sulfonate Complex Thickener	Mixture		None Established	
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

SECTION 3 - HAZARDS IDENTIFICATION

HEALTH HAZARDS: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid repeated or prolonged inhalation and contact. Do not ingest.

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

HMIS CLASS: HEALTH: 1

FIRE: 1

REACTIVITY: 0

SECTION 4 - FIRST AID MEASURES

INHALATION: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If overexposed to oil mist, remove from further exposure until excessive oil mist condition subsides.



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SKIN CONTACT:

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high-pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

EYE CONTACT:

If lubricant gets into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

INGESTION:

If ingested, DO NOT induce vomiting; call a physician immediately.

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, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

SPECIFIC HAZARDS:

Ketones, aldehydes, oxides of sulfur, oxides of nitrogen, carbon monoxide and carbon dioxide from burning. Sulfur dioxide of hydrogen sulfide, depending upon decomposition conditions, oxides of calcium.

SPECIFIC METHODS/ PROTECTION OF FIREFIGHTERS: The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Tenth Edition (1991):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Minimize contact with skin and clothing.

ENVIRONMENTAL PRECAUTIONS: Keep product out of sewers and watercourses.

METHODS FOR CLEANING UP: Refer to Section 13.

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.

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.



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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: To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with (THE) National Fire Protection Association PUBLICATIONS. In order to prevent fire or explosion hazards, use appropriate equipment.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

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

EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.

SKIN AND BODY PROTECTION: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

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. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

FLASHPOINT: >190°C by Cleveland Open Cup

COLOUR: Green

VISCOSITY (cPs): >100 SUS @ 100°F

ODOUR: Mineral Oil Odor

APPEARANCE: Grease

pH @ 25°C: Not Determined

SPECIFIC GRAVITY (H₂O = 1): 0.98 @ Room Temp.

VAPOR PRESSURE (mm Hg): Not Determined

% 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: This product is stable and will not react violently with water.

CONDITIONS TO AVOID: Avoid contact with strong oxidants.



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MATERIALS TO AVOID: Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.

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: Repeated or prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria.

SKIN: Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

EYE: Product contacting the eyes may cause eye irritation.

INGESTION: Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. This product is judged to have an acute oral LD50 (rat) greater than 5g/kg of body weight, and an acute dermal LD50 (rabbit) greater than 3.16 g/kg of body weight.

ACUTE TOXICITY: No data available

CHRONIC TOXICITY: None known

SPECIAL EFFECTS: None known

SECTION 12 - ECOLOGICAL INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORTATION INFORMATION

DOT CLASSIFICATION: Not regulated

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

CLEAN WATER ACT / OIL POLLUTION ACT: This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface



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waters that cause a sheen must be reported to the National Response Center (800.424.8802).

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).

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA SECTION 313): This product does not contain any chemical 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.

EPA HAZARD CLASSIFICATION CODE: Not applicable

TSCA INVENTORY STATUS: Chemical components listed on TSCA inventory.

NOTE: In compliance with hazard and right-to-know requirements, where applicable OSHA Hazard Warnings may be found on the label, bill of lading or invoice accompanying this shipment.

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.

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.¹

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.

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