

# GENERAL PUMP MATERIAL SAFETY DATA SHEET

General Pump  
1174 Northland Drive  
Mendota Heights, MN USA  
55120  
info@gpcompanies.com

Emergency 800-424-9300  
Information: 651-454-6500  
Fax: 651-454-8015

## SECTION 1 CHEMICAL PRODUCT IDENTIFICATION

**Product:** General Pump Series 80W-90  
**CAS Registry Number:** Mixture  
**Synonyms:** Not applicable.  
**Item Number(s):** 805-100734, 805-100735  
**MSDS Number:** 0161  
**Product Type:** Gear lubricant  
**Preparation/Revision Date:** 08/01/2002

## SECTION 2 COMPOSITION INFORMATION

INGREDIENTS	CAS #	%	ACGIH TWA	OSHA PEL	ACGIH STEL	SKIN
Severely treats mineral oils	Mixture	90-95	5 mg/m <sup>3</sup> (oil mist)	5 mg/m <sup>3</sup> (oil mist)	10 mg/m <sup>3</sup> (oil mist)	NO
Proprietary additives	Mixture	Balance	Not Available	Not Available	Not Available	NO

## SECTION 3 HAZARDOUS IDENTIFICATION

**WARNING:** - MAY CAUSE EYE IRRITATION  
- MAY CAUSE SKIN IRRITATION

**Eye contact:** Direct contact may cause irritation, redness, tearing and blurred vision.

**Skin contact:** Avoid prolonged skin contact. This product contains materials that may cause skin irritation. Prolonged or repeated contact may result in dermatitis (dryness, chapping and reddening of skin).

**Inhalation:** Overexposure by inhalation of hot material may cause nonspecific discomfort, such as nausea, headache, or weakness. Caution should be taken to prevent aerosolization or misting of this product without proper respiratory protection.

**Ingestion:** Do not ingest. Product is expected to be relatively non-toxic unless lung aspiration occurs. Aspiration is not expected with this material due to heavy viscosity. Should aspiration occur, may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discolorization of the skin. Coughing, choking and gagging are often noted at the time of aspiration. This product has laxative properties and may result in abdominal cramps and diarrhea.

**Other:** Not applicable.

## SECTION 4 FIRST AID MEASURES

**Eye contact:** Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists. If material is hot, treat for thermal burns and take victim to hospital immediately.

**Skin contact:** Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. Wash contaminated clothing before reuse.

**Inhalation:** If overcome by inhalation of hot vapors, remove to fresh air. Use oxygen if

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**Ingestion:** there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary. Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs keep head below hips to prevent aspiration and monitor for breathing difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek immediate attention.

**Other:** Not applicable.

## SECTION 5 FIRE FIGHTING MEASURES

**Flash point:** 164° C (327°F) ASTM D-92  
**Flammable limits:** Not determined.  
**Extinguishing media:** Use dry chemical, foam, water fog or carbon dioxide.  
**Special firefighting procedures:** Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

**Unusual fire & explosion hazards:** Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. Heavy flammable vapors may settle along ground level and low spots to create an invisible fire hazard. The vapors may extend to sources of ignition and flash back.

**Byproducts of combustion:** Oxides of carbon, sulfur and phosphorous.  
**Autoignition temperature:** Not determined.  
**Explosion data:** Not determined. Care should always be exercised in dust/mist areas.  
**Other:** Not applicable.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Spill control procedures (land):** Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs notify appropriate authorities.

**Spill control procedures (water):** Remove from surface by skimming or with suitable absorbents. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard).

**Waste disposal method:** Most oil based products are incinerated, land-filled or reclaimed. All disosals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See section 14.

**Other:** CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.

## SECTION 7 HANDLING AND STORAGE

**Handling Procedures:** Keep containers closed when not in use. Do not transfer to unmarked containers. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 -- Flammable and Combustible Liquids. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to

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**Storage procedures:** reclamation centers for proper cleaning and reuse.  
**Additional information:** Store containers away from heat, sparks, open flame, or oxidizing materials.  
No additional information.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal protection:** Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.

**Respiratory protection:** None required if airborne concentrations are maintained below threshold limits listed on page one. Otherwise a respiratory protection program meeting OSHA 101.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist purifying respirator.

**Eye protection:** Eye protection is strongly recommended. If material is handled such that it could be splashed into the eyes, wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).

**Hand protection:** Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.

**Other protection:** Use of an apron and overboots or chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization and absorption. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials which cannot be decontaminated.

**Local control measures:** Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized vapor/mist areas. If vapor or mist is generated when the material is handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure. Eyewash stations and showers should be available in areas where this material is used and stored.

**Other:** Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking or smoking.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Vapor pressure:** <0.1 mm Hg at 20°C (68°F).  
**API gravity:** 26.8 at 15.6°C (60°F)  
**Density:** 7.44 pounds/gallon at 15.6°C (60°F)  
**Specific gravity:** 0.89 at 15.6°C (60°F)  
**Solubility:** Negligible in water, miscible in most petroleum solvents and oils.  
**Percent volatile:** Not established.  
**Vapor density(air=1):** >1.0  
**Evaporation rate (n-ButylAcetate=1):** Not established.  
**Odor:** Mild, sulfurous odor.  
**Appearance:** Amber to brown fluid.  
**Viscosity:** 14.0 cSt @ 100°C (212°F)  
137.0 cSt at 40°C (104°F)  
**Boiling point:** Not determined.  
**Pour/Freeze point:** -20°C (-15°F)  
**Other:** Not applicable.

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** Material is stable at room temperatures and pressure.  
**Conditions to avoid:** Avoid high temperatures and product contamination.  
**Incompatibility with other materials:** Avoid contact with acids and oxidizing materials.  
**Decomposition products:** Smoke, carbon monoxide and dioxide, and other aldehydes of incomplete combustion. Oxides of carbon, and sulfur.

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**Hazardous polymerization:** Will not occur.  
**Other:** Not applicable.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Oral toxicity:** Not determined.  
**Dermal toxicity:** Not determined.  
**Inhalation toxicity:** On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms. Based on data from similar materials.  
**Dermal sensitization:** Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials.  
**Chronic toxicity:** Not determined.  
**Carcinogenicity:** Not determined.  
**Mutagenicity:** Not determined.  
**Reproductive toxicity:** Not determined.  
**Other:** These products contain petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

## SECTION 12 ECOLOGICAL INFORMATION

**Environmental toxicity:** This material be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.  
**Environmental fate:** No data available.  
**Other:** Not determined.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste disposal:** Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This product unadulterated by other materials may be classified as a non-regulated waste in some areas - but still needs to be disposed of at an approved facilities. Waste management should be in full compliance with federal, state, and local laws.  
**Disposal consideration:** Most used and non-use oils are incinerated (if unadulterated). Place used, contaminated, or excess material into disposable containers and dispose of in a manner consistent with local and state regulations. Contact local environmental or health authority for approved disposal of this material.  
**Other:** If material is contaminated with a regulated material, the whole of the material becomes a regulated waste. Try to segregate from regulated material waste streams.

## SECTION 14 STABILITY AND REACTIVITY

**U.S. DOT shipping description:** Not regulated by DOT.  
**U.S. DOT identification number:** Not applicable.  
**U.S. DOT hazard classification:** Not applicable  
**Packaging class:** Not applicable.  
**Other:** See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT 5800.3.

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## SECTION 15 REGULATORY INFORMATION

**Clean water act/oil pollution act:** Under section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spill or discharges that produce a visible sheen or film on surface of water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the National Response Center at 800-424-8802.

**TSCA:** All components of this material are listed in the U.S. TSCA Inventory.  
**Other TSCA:** Not applicable.  
**SARA Title III:** Section 302/304 extremely hazardous substances: None.  
Section 311, 312 hazard categorization:  
Acute (immediate health effects): NO  
Chronic (delayed health effects): NO  
Fire (hazard): NO  
Reactivity (hazard): NO  
Pressure (sudden release hazard): NO  
Section 313 toxic chemicals: None.

**CERCLA:** For stationary sources - reportable quantity: Not applicable.  
Due to: Not applicable.  
For moving sources - reportable quantity: Not applicable.  
Due to: Not applicable.

**Other:** Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

## SECTION 16 OTHER INFORMATION

	NFPA 704	NPCA-HMIS	KEY
<b>HEALTH:</b>	1	1	0 = Minimal
<b>FIRE:</b>	1	1	1 = Slight
<b>REACTIVITY:</b>	0	0	2 = Moderate
<b>SPECIFIC HAZARD:</b>	NONE	N/A	3 = Serious
<b>PROTECTION INDEX:</b>	N/A	B	4 = Severe

Precautionary labels: - MAY CAUSE EYE IRRITATION  
- MAY CAUSE SKIN IRRITATION  
- HARMFUL IF SWALLOWED

External information: This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Lube-Tech must rely upon information provided by these materials manufacturers or distributors.

Creation date: 8/01/2002  
File: General Pump Series 80W-90 (0449)  
Version: II

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