MATERIAL SAFETY DATA SHEET

GENERAL PUMP INCORPORATED

I PRODUCT TRADE NAME: General Pump Industrial Grade Pump Oil

II INGREDIENTS:

Component Name	Hazardous in Blend	Percentage Min / Max	Component Exposure Limits	Units
Base lubricating oils Mixture	NO	95.00 to 100.00	OSHAPEL	No Limit
			ACGIH TLV	No Limit
Antiwear additive Trade secret	NO	1.00	OSHA PEL	No Limit
			ACGIH TLV	No Limit
Silicone antifoam additive Trade secret	NO	1.00	OSHA PEL	No Limit
			ACGIH TLV	No Limit
Pour point depressant Trade secret	NO	1.00	OSHA PEL	No Limit
			ACGIH TLV	No Limit

CAS Number: Mixture
MSDS Code: 000345

NFPA Hazard Rating

Degree of Hazard		Hazard Rating
		0 -Least
Health:	1	1 - Slight
Fire:	1	2 - Moderate
Reactivity:	0	3 - High
		4 - Extreme

III PHYSICAL PROPERTIES:

Boiling Point	800 F	Solubility	Soluble in hydrocarbons
Melting Point	20 F	Percent Volatile	N/A
Appearance	Clear amber liquid	Vapor Density (air=1)	N/A
Odor	Typical petroleum odor	Evaporation Rate (EE=1)	N/A
Vapor Pressure	N/A	Specific Gravity	.8761
		Molecular Weight	Varies

IV HEALTH EFFECT INFORMATION

EYE CONTACT: This product is practically non-irritating to the eyes upon direct contact, based on testing of similar products and/or components.

SKIN CONTACT: Avoid skin contact. This product is expected to be practically non-irritating upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Prolonged or repeated contact may result in oil acne which is characterized by blackheads with possible secondary infection. Constituents of this product have been associated with photosensitivity, an abnormal sensitivity of skin to sunlight. See health data section below.

INHALATION: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient condition. Caution should be taken to prevent aerosolization or misting of this product. The permissible exposure limit (PEL) and threshold limit value (TLV) for this product as oil mist is 5 MG/M3. Exposures below 5MG/M3 appear to be without significant health risk. The short-term exposure limit for this product as an oil mist is 10 MG/M3.

INGESTION: Do not ingest. This product is relatively non-toxic by ingestion. This product has laxative properties and may result in abdominal cramps and diarrhea. See health data section below.

HEALTH DATA: 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 aspiration. Shortness of breath and cough are the most common symptoms. *****The international agency for research on cancer has concluded that there are inadequate data to evaluate the carcinogenicity to experimental animals of this class of products. Thus according to the IARC classification these products belong to group 3, "Not classifiable as to their carcinogenicity to humans "***** For gasoline-engine motor oils only. Avoid contact with used motor oils. The international agency for research on cancer has determined that there is sufficient evidence that used gasoline-engine motor oils produce skin tumors in experimental animals.

V EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. 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 material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

INHALATION: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

INGESTION: Do not induce vomiting. Seek medical attention.

VI PERSONAL HEALTH PROTECTION INFORMATION

EYE PROTECTION: Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

SKIN PROTECTION: No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.). Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

RESPIRATORY PROTECTION: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

VENTILATION: If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

OTHER: Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

VII FIRE PROTECTION INFORMATION

Flash Point: 388 °F Test Method: C.O.C.
Autoignition Temperature: >800 °F Test Method: NO DATA
Extinguishing Media: Use dry chemical, foam or carbon dioxide

SPECIAL FIRE FIGHTING 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 AND EXPLOSIVE CONDITIONS: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

VIII REACTIVITY DATA

Stability (Thermal, Light, Etc.): Stable Conditions to avoid: None
Hazardous Polymerization: Will not occur Conditions to avoid: None
Incompatibility Materials to Avoid: May react with strong oxidizing agents
Hazardous Decomposition Products: None

IX ENVIRONMENTAL PRECAUTIONS

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Consult health effect information in section III, personal health protection information in section V. Fire protection information in section VI, and reactivity data in section VII. Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc.. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

WASTE DISPOSAL METHOD: All disposals 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. CAUTION! If regulated solvents are used to clean up spilled material the resulting waste mixture may be regulated. Department of transportation (DOT) regulations may apply for transporting this material when spilled. Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

X MISCELLANEOUS

HANDLING AND STORAGE REQUIREMENTS: Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials. This product is not classified as hazardous under DOT regulations. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106—Flammable and combustible liquids.

DISCLAIMER OF WARRANTY: The information contained herein is based upon data available to us, and reflects our best professional judgement. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data, the results to be obtained from the use therof, or that any such use does not infringe any patent. Since the information contained herein may be applied under conditions of use beyond our control and with which may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Required under USDL Safety and Health Regulations for ship repairing, shipbuilding, and shipbreaking. (29 CFR 1915, 1916, 1917).

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