

Safety Data Sheet

Section 1 - Product and Company Identification

Product Name: GEAROL 220

Product Code: 424015

Trade Name: Industrial Oil

Benz Oil Company
2724 W. Hampton Ave.
Milwaukee, WI 53209

Telephone Numbers
During normal business hours call (414)442-2900

Outside normal business hours call CHEMTREC (800)424-9300

Email Address
msds@benz.com

Product Use: Industrial Lubricant

Not recommended for: Applications other than those intended. For application information see product Technical Data Sheet or consult with a company representative.

Section 2 - Hazards Identification

Emergency Overview:

In accordance with good industrial hygiene and industrial practices. Airborne exposures should be controlled to the lowest extent possible. Do not ingest. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed.

GHS Ratings:

Skin sensitizer

1

Skin sensitizer

GHS Hazards

H317 May cause an allergic skin reaction

GHS Precautions

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P321 Specific treatment (see the first aid section of the MSDS)
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P501 Dispose of contents/container in accordance with appropriate regulations.

Warning



Section 3 - Composition

Proprietary additive(s) listed only if considered hazardous per OSHA regulations, at a 1% or greater concentration (0.1% for carcinogens)

Chemical Name	CAS number	Weight Concentration %
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7	70.00 - 80.00
Severely Treated Base Oil	TS-056	20.00 - 30.00
Proprietary Gear Oil Additive	TS-075	1.00 - 5.00

Section 4 - First Aid Measures

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact:

Flush eyes with water for at least 15 minutes. If irritation occurs, seek medical attention.

Skin Contact:

Prolonged or repeated contact may cause irritation. Good hygienic practices should be observed at all times. Wash exposed skin with soap and warm water.

Ingestion:

First aid is not normally required. Seek medical attention if discomfort occurs. Do not induce vomiting unless directed to do so by medical personnel.

Section 5 - Fire Fighting Measures

Flash Point: 227 C (441 F)

Extinguishing Media:

Carbon Dioxide (CO₂), dry chemical or foam. Water can be used to cool and protect exposed material.

Unusual Fire Hazards:

Pressurized mists may form a flammable mixture.

Products of Combustion:

Fumes, smoke, CO_x, SO_x, NO_x, when combusted.

Fire Fighting Instructions:

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water supply to cool fire exposed surfaces and to protect personnel.

Section 6 - Accidental Release Measures

Notification Procedures:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material (which exceed the applicable reportable quantity) into the environment, or oil spills which could reach any waterway (including intermittent dry creeks). The National Response Center can be reached at 1-800-424-8802.

Spill Management:

Shut off source of leak if it is safe to do so. Dike and contain spill.

Small Spills:

While wearing suitable personal protective equipment (PPE), absorb spill with clay, sand or other suitable material. Place in a non-leaking container and seal tightly for proper disposal.

Large Spills:

Ventilate the contaminated area. Wearing suitable PPE, pump into salvage vessels. Dispose of collected material according to regulations.

Section 7 - Handling and Storage

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Do not take internally. Use this product with adequate ventilation. Launder work clothes frequently.

Storage:

Keep properly labeled container tightly closed, and in a cool, well-ventilated place away from incompatible materials. Store away from heat, sparks and other ignition sources. Containers, even those have been emptied, can contain combustible vapors. Do not pressurize, cut, weld, drill or grind on or near containers. Do not reuse empty containers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7	PEL: 5mg/m3 (mist)	TWA: 5mg/m3 (Inhalable fraction)	Not Determined
Severely Treated Base Oil TS-056	PEL: 5 mg/m3	TLV: 5 mg/m3 (inhalable fraction)	Not Determined
Proprietary Gear Oil Additive TS-075	TWA: 5 mg/m3 (Mineral Oil)	TWA: 5 mg/m3 (Mineral Oil)	Not Determined

Ventilation Control:

Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Personal Protection:

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection:

Normal industrial eye protection practices should be employed.

Skin Protection:

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory:

If airborne concentration limits are not met, a NIOSH approved respirator must be worn.

Contaminated Gear:

Soiled work clothing should be laundered or dry-cleaned.

Section 9 - Physical and Chemical Properties

Typical physical and chemical properties are given below. Consult the manufacturer in Section 1 for additional data.

<p>Appearance: Amber Liquid</p> <p>Vapor Pressure: No Data Available</p> <p>Vapor Density: No Data Available</p> <p>Specific Gravity@60F: 0.9</p> <p>Freezing point: No Data Available</p> <p>Flash point: 441 F, 227 C</p> <p>Flammability: No Data Available</p>	<p>Odor: Characteristic</p> <p>Odor threshold: No Data Available</p> <p>pH: Not Applicable</p> <p>Melting point: No Data Available</p> <p>Solubility: Negligible Solubility in Water</p> <p>Evaporation rate: No Data Available</p> <p>Explosive Limits: No Data Available</p>
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Partition coefficient (n-octanol/water): No Data Available Decomposition temperature: No Data Available	Autoignition temperature: No Data Available Grams VOC less water: No Data Available
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Section 10 - Stability and Reactivity

Stability:

Material is stable under normal conditions.

Conditions to Avoid:

Excessive heat. High energy sources of ignition.

Material to Avoid:

Strong oxidizers.

Hazardous Decomposition Products:

This material does not decompose at ambient temperatures.

Hazardous Polymerization:

Will not occur under normal circumstances.

Section 11 - Toxicological Information

Mixture Toxicity: Toxicities above reportable limits

If applicable, the ingredient(s) listed above are considered hazardous per OSHA 1910.1200. Included are the corresponding LD50 ratings, if available. Hazardous ingredients are required to be listed if they are used in the final product at a 1% (0.1% for carcinogens) or greater concentration.

Routes of Entry: Eye contact. Dermal contact. Inhalation. Ingestion.

Target Organs: None Known

Section 12 - Ecological Information

Ecotoxicity:

No data available for this product.

Section 13 - Disposal Considerations

Disposal Instructions:

Refer to the latest US EPA, state and local regulations regarding proper disposal.

Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not Regulated	N/A	N/A	N/A

Section 15 - Regulatory Information

Prepared according to US OSHA 29CFR 1910.1200 regulations.
Additional regulatory listings, where applicable.

California Prop 65: The following chemicals are known to the State of California to cause cancer, birth defects, or other reproductive harm.

TS-075 Proprietary Gear Oil Additive

The following chemicals are listed under **SARA 311/312:**

TS-075 Proprietary Gear Oil Additive Acute, Fire

Toxic Substances Control Act (TSCA) Status:

All components are listed on the EPA/TSCA Inventory of Chemical Substances unless listed below.

- None

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text"/>	1
FLAMMABILITY	<input type="text"/>	1
PHYSICAL HAZARD	<input type="text"/>	0
PERSONAL PROTECTION	<input type="text"/>	

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

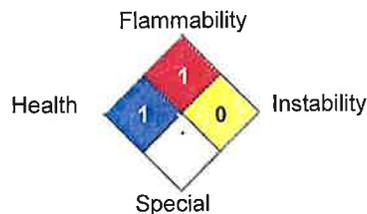
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



Date Prepared: 5/12/2015

Benz Oil Company has taken all reasonable steps to insure this data sheet and the information contained in it is accurate as of the date issued. No warranty is made as to the accuracy or completeness of the information in this data sheet. The information stated on this MSDS applies only to the intended applications. Do not use this product for any application other than the intended application.

Employers are responsible for communicating any hazards and precautions described in this sheet.