

2000042947

SAFETY DATA SHEET

SECTION 1: Identification

Product identifier: Synthetic Pump Oil

Other means of identification: BO3620

Recommended use: Gear Lubricant

Recommended restrictions: None known

Manufacturer/Importer/Supplier/Distributor information

Company name: ZIEN Inc.

Address: 1212 W. 2nd Street,
Oconomowoc, WI 53066

Telephone: Office hours (Mon – Fri)
7:30 – 4:00pm (Central time)
(262) 567-7523

Contact Person: Steven Zimmerman

E-mail: steve@zieninc.com

Emergency phone number: (262) 560-7400 (24 hours)

SECTION 2: Hazard(s) identification

Physical hazards

Not classified as a physical hazard

Health hazards

Not classified as a health hazard

Environmental hazards

Not Classified

OSHA hazard(s) Label elements

Hazard symbol: None

Signal word:

Hazard statement(s): None

Precautionary statement

Prevention: None

Response: None

Storage: None

Disposal: None
Hazard(s) not otherwise Classified (HNOC) None Known

SECTION 3: Composition/information on ingredients
Substance/Mixtures

Chemical name	Concentration	Additional Information
Distillates (petroleum), hydrotreated heavy paraffinic	>65%	CAS-No: 64742-54-7
Synthetic Base Stock	>8 %	CAS-No: Proprietary
Proprietary Additive Mixture	<25%	CAS-No: Proprietary

SECTION 4: First-aid Measures

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
Skin contact: Wash with soap and water. Get medical attention if symptoms occur.
Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Ingestion: Do not induce vomiting. Seek medical advice immediately.

Most important symptoms/effects, acute and delayed: Symptoms may be delayed.
Indication of immediate medical attention and special treatment needed: None known

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Water spray, Carbon dioxide, Dry chemical, Alcohol foam
Unsuitable extinguishing media: Do not use water jet.
Specific hazards arising from the chemical: Hazardous combustion products may include toxic vapors such as carbon monoxide, oxides of nitrogen, sulfur and phosphorous.
Special protective equipment and precautions for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Fight fire from a protected location. Water may be ineffective in fighting the fire. Use water spray to keep fire-exposed container cool.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment (see Section 8). Do not breathe fumes or vapor.
Methods and materials for containment and cleaning up: Eliminate sources of ignition. Stop source of leak if safe. Prevent entry into waterways and sewer systems. Absorb in vermiculite, dry sand or earth. Sweep up and place in a clearly labeled container for chemical waste.

SECTION 7: Handling and Storage

Precautions for safe handling: Avoid breathing mist or vapors. Avoid contact with eyes. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibles: Keep container tightly closed and in a well-ventilated place. Store away from heat and light.

SECTION 8: Exposure controls/personal protection

Control Parameters

Occupational exposure limits

US.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value	Notation
Oil mist, mineral	PEL	5 mg/m ³	

U.S. ACGIH Threshold Limit Values

Material	Type	Value	Notation
Oil mist, mineral	TWA	5 mg/m ³	(inhalable fraction)

NIOSH Guidelines

Material	Type	Value	Notation
Oil mist, mineral	REL (10 hr)	5 mg/m ³	
Oil mist, mineral	STEL	10 mg/ m ³	

Appropriate engineering Controls:

Maintain air concentrations below occupational exposure standards using engineering controls if necessary. Local exhaust ventilation is recommended. Eye wash station and showers for emergency use.

Individual protection measures, such as personal protective equipment

- Eye/face protection:** Do not get material in eyes. Wear protective eye goggles
- Skin protection** Avoid skin contact. Wear protective clothing.
- Hand protection:** Avoid contact. Wear suitable protective gloves.
- Other:** No data available
- Respiratory protection:** Select suitable respiratory protection equipment for the specific conditions of use. Maintain airborne concentrations below occupational exposure standards
- Thermal hazards:** No data available
- General hygiene considerations:** Observe good industrial hygiene practices.

SECTION 9: Physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Amber
Odor:	Not available
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Boiling point:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits	
Flammability limit – lower (%):	Not available
Flammability limit – upper(%):	Not available
Explosive limit – lower (%):	Not available
Explosive limit – upper (%):	Not available
Vapor pressure:	Not available
Vapor density:	Heavier than air
Specific gravity:	0.87
Relative density temperature:	Not available
Solubility in water:	Insoluble
Partial coefficient	
(n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Viscosity temperature:	Not available
Other information	
Bulk density:	Not available
Flash point class:	Not available
VOC (Weight %):	Not available

SECTION 10: Stability and Reactivity

Reactivity:	None known
Chemical stability:	Stable
Possibility of hazardous reactions:	None known
Conditions to avoid:	Heat, sparks, flames.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition Products:	Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	None known
Ingestion:	None known
Skin:	None known
Eye:	None known

Symptoms related to the physical, chemical, and toxicological characteristics:

None known

Information on toxicological effects

Acute Oral Toxicity (rat)

Distillates (petroleum),
hydrotreated heavy paraffinic LD50: >5000 mg/kg

Product: No data available

Acute Dermal Toxicity (rabbit)

Distillates (petroleum),
hydrotreated heavy paraffinic LD50: >5000 mg/kg

Product: No data available

Acute Inhalation Toxicity

Product: No data available

Skin corrosion/irritation Prolonged or repeated exposure may cause irritation, drying or cracking of the skin.

Serious eye damage/eye irritation May cause irritation

Respiratory sensitization Mist or vapors from heated product may cause respiratory irritation

Skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity No data available

Reproductive toxicity No data available

**Specific target organ toxicity-
Single exposure** No data available

**Specific target organ toxicity-
Repeated exposure** No data available

Aspiration hazard No data available

Aspiration hazard No data available

Aspiration hazard No data available

Further information No data available

SECTION 12: Ecological information

Ecotoxicity

Aquatic

Distillates (petroleum),
hydrotreated heavy paraffinic

LC50, 96 hr Fish: >1000 mg/L
EC50, 48 hr Daphnia: >1000 mg/L
IC50, 72 hr Algae: >1000 mg/L

Product:

No data available

Persistence and degradability

Distillates (petroleum),
hydrotreated heavy paraffinic

Not readily biodegradable

Product:

No data available

Bioaccumulative potential

Product:

No data available

Mobility in soil

Product:

No data available

Mobility in general

Distillates (petroleum),
hydrotreated heavy paraffinic

Insoluble in water and will spread on the water surface

Product:

No data available

Other adverse effects

An environmental hazard cannot be excluded in the event of an unprofessional handling or disposal.

SECTION 13: Disposal considerations

Disposal instructions

Dispose in accordance with all applicable Federal, State and local regulations.

SECTION 14: Transport Information

DOT:

Not regulated

IATA:

Not regulated

IMDG:

Not regulated

SECTION 15: Regulatory Information

Inventory Status

This material is listed on the following inventories: TSCA

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4):
None

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None

Section 311/312 (40 CFR 370):

Immediate Hazard: No

Delayed Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Section 313 Toxic Release Inventory (40 CFR 372):
None

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Trace Impurities: 91-20-3, <0.1 ppm cadmium, <0.2 ppm arsenic; <0.6 ppm ethyl acrylate (140-88-5)

Massachusetts Right-To-Know List:

Oil Mist, mineral

SECTION 16: Other Information

Revision Date: April 21, 2014

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