

UNOTECH[®] Superior Gear Oil EP (all grades)

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: Feb 11, 2022 Revision date: July 6, 2022 Version: 3

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Superior Gear Oil ISO 220, 320, 460, 680 and 1000

1.2. Recommended use and restrictions on use

Use of the substance/mixture : EXTREME SERVICE GEAR OIL
Use of the substance/mixture : Lubricant
Recommended use : Lubrication of industrial gears

1.3. Supplier

Manufacturer:

UNOTECH

Rua Rinaldo Chiarotti, 323 - Mauá - São Paulo - Brasil.

BRAZIL PHONE: [+55 \(11\) 2164-3999](tel:+551121643999)

regulatory@unotech.com.br - www.unotechinternational.com.br

1.4. Emergency telephone numbers

Emergency numbers:

Brazil: 0300 102 2000, or 0800 770 0044

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear personal protective equipment/face protection

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container in an approved waste disposal facility

2.3. Other hazards which do not result in classification

No information available.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Chemical Name	%	CAS
Petroleum distillates, solvent dewaxed heavy paraffinic - DMOS-extract < 3%	64742-65-0	>50

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water.
First-aid measures after ingestion	: Call a doctor or poison center if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: No information available.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

For further information refer to section 12.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
Other information : Clean contaminated objects and areas thoroughly, observing environmental regulations.

6.4. Reference to other sections

For further information refer to sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice.
Hygiene measures : Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Store away from other materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Showers, Eyewash stations and Ventilation systems.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Neoprene or nitrile rubber gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: Amber to dark amber
Odor	: Mild sulfur
Odor threshold	: No data available
pH	: Unknown
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 204°C, 400°F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non-flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.90
Solubility	: Insoluble in water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: Per the data sheet
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Petroleum distillates, solvent dewaxed heavy paraffinic - DMOS-extract < 3%	> 15000 mg/kg (Rat)	> 5000 mg/kg (rabbit)	> 2400 mg/m3 (rat) 4h

Skin corrosion/irritation	: No information available.
Serious eye damage/irritation	: No information available.
Respiratory or skin sensitization	: No information available.
Germ cell mutagenicity	: No information available.
Carcinogenicity	: No information available.
Reproductive toxicity	: No information available.
STOT - single exposure	: No information available.
STOT - repeated exposure	: No information available.
Aspiration hazard	: No information available.
Viscosity, kinematic	: Per the data sheet.

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general : The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Petroleum distillates, solvent dewaxed heavy paraffinic - DMOS-extract < 3%	-	96h LC50: >5000 mg/L (Oncorhynchus mykiss)	48h EC50: >1000 mg/L

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulation potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

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Not regulated for transport.

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT
No data available

TDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to Annex II of MARPOL 7378 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

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CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Prop. 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

Chemical Name	State or local regulations
Petroleum distillates, solvent dewaxed heavy paraffinic - DMOS-extract < 3%	U.S. – Massachusetts – U.S. - Illinois

SECTION 16: Other information

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Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.