



SASOL

Safety Data Sheet

Industrial Gear Oil EP 460

Version 1.02

Revision Date 23.04.2024

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name Industrial Gear Oil EP 460

Synonyms Gear Oil

Relevant identified uses of the substance or mixture and uses advised against

Use Lubricant or lubricant additive

Manufacturer or supplier's details

Company Sasol Oil (Pty) Ltd

Address Sasol Place, 50 Katherine Street
Sandton
2196

Telephone +27860335444

E-mail address sasolchem.info.sa@sasol.com

Emergency telephone number South Africa: 0800 11 28 90; International: +27 17 610 4444

SECTION 2. Hazards identification

Classification of the substance or mixture

Classification This substance is not classified as hazardous according to GHS.

Label elements

Pictogram Not applicable.

Signal word Not applicable.

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Hazard statements This substance is not classified as hazardous according to GHS.

Precautionary statements

Prevention This substance is not classified as hazardous according to GHS.

Response This substance is not classified as hazardous according to GHS.

Storage This substance is not classified as hazardous according to GHS.

Disposal This substance is not classified as hazardous according to GHS.

Other hazards No data available.

SECTION 3. Composition/information on ingredients

Mixture

Mineral Oil

Contents: ≤ 98.50 %W/W

| CAS-No. | Index-No. | EC-No. |
|---------|-----------|--------|
|---------|-----------|--------|

Long-chain alkyl amine

Contents: ≥ 0.08 - ≤ 0.15 %W/W

| CAS-No. | Index-No. | EC-No. |
|---------|-----------|--------|
|---------|-----------|--------|

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

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Description of necessary first-aid measures

| | |
|---------------------|--|
| Inhalation | Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. Get medical attention/advice if you feel unwell. |
| Skin contact | Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists. |
| Eye contact | Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice. |
| Ingestion | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice. |

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

| | |
|-------------------------------------|-------------------------------------|
| Suitable extinguishing media | Water spray, Foam, CO2, Dry powder. |
|-------------------------------------|-------------------------------------|

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Special hazards arising from the substance or mixture Under conditions of continuous exposure to heat, may burn. Under extreme conditions (e.g. confinement) could lead to detonation. Nitrogen oxides (NOx) and carbon oxides are produced during combustion.

Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

Environmental precautions Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Disposal and clean up may only be done by authorised personnel.

Reference to other sections Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from flames and sparks.

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| | |
|--|---|
| Advice on protection against fire and explosion | No data available. |
| Requirements for storage areas and containers | Keep away from heat. Do not store near combustible materials. |
| Advice on common storage | No data available. |

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Gloves suitable for permanent contact.:
 Material: butyl-rubber
 Break through time: 4 h
 Material thickness: 0.5 mm

Eye protection Safety goggles

Skin and body protection lightweight protective clothing

Hygiene measures Wash hands before breaks and immediately after handling the

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product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|------------------------------------|---------------------------------|
| Form | Liquid |
| State of matter | Liquid; at 20 ° C; 1,013 hPa |
| Colour | Brown |
| Odour | Mild |
| Odour Threshold | No data available. |
| pH | No data available. |
| Pour point | -6 ° C |
| Boiling point/boiling range | No data available. |
| Flash point | 250 ° C |
| Evaporation rate | No data available. |
| Flammability (solid, gas) | No data available. |
| Auto-ignition temperature | > 320 ° C |
| Lower explosion limit | No data available. |
| Upper explosion limit | No data available. |
| Vapour pressure | No data available. |
| Relative vapour density | No data available. |
| Density | 0.90 g/cm ³ ; 20 ° C |

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|---|--------------------------------|
| Water solubility | Immiscible |
| Partition coefficient: n-octanol/water | No data available. |
| Viscosity, kinematic | 450 mm ² /s; 40 ° C |

SECTION 10. Stability and reactivity

| | |
|---|-----------------------------------|
| Reactivity | Stable under normal conditions. |
| Chemical stability | No data available. |
| Possibility of hazardous reactions | Strong acids and oxidizing agents |
| Conditions to avoid | No data available. |
| Materials to avoid | Combustible material |
| Hazardous decomposition products | Stable under normal conditions. |

SECTION 11. Toxicological information

| | |
|----------------------------------|--------------------|
| Acute oral toxicity | No data available. |
| Acute inhalation toxicity | No data available. |
| Acute dermal toxicity | No data available. |
| Repeated dose toxicity | No data available. |



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Carcinogenicity

Mineral oils are severely solvent refined or hydrotreated.

SECTION 12. Ecological information

Toxicity to fish

No data available.

Toxicity to daphnia and other aquatic invertebrates

No data is available on the product itself.

Toxicity to bacteria

No data available.

Toxicity to fish

No data available.

SECTION 13. Disposal considerations

Product

Dispose of in accordance with local regulations.

SECTION 14. Transport information

Further Information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada. DSL - Domestic Substances List,
part of CEPA

Components Not listed
Mineral Oil
Long-chain alkyl amine

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| | |
|--|---|
| Australia. AICS - Australian Inventory of Chemical Substances | Components Not listed Mineral Oil Long-chain alkyl amine |
| New Zealand Inventory of Chemical Substances | Components Not listed Mineral Oil Long-chain alkyl amine |
| Japan. ENCS - Existing and New Chemical Substances Inventory | Components Not listed Mineral Oil Long-chain alkyl amine |
| Japan. Industrial Safety and Health Law - Inventory | Components Not listed Mineral Oil Long-chain alkyl amine |
| Korea. KECI - Korean Existing Chemicals Inventory | Components Not listed Mineral Oil Long-chain alkyl amine |
| Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances | Components Not listed Mineral Oil Long-chain alkyl amine |
| China. IECSC - Inventory of Existing Chemical Substances in China | Components Not listed Mineral Oil Long-chain alkyl amine |
| Taiwan. Chemical Substances Inventory (TCSI) | Components Not listed Mineral Oil Long-chain alkyl amine |
| USA TSCA Inventory | Components Not listed |



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Mineral Oil

Long-chain alkyl amine

SECTION 16. Other information

Full text of H-Statements.

This substance contains no components with H-statement.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.