



# Safety Data Sheet

## Circulating and Gear Oil 220

Version 1.00

Revision Date 09.02.2018

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

**Product identifier**

**Trade name** Circulating and Gear Oil 220

**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)

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### SECTION 2. Hazards identification



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### Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

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

### Label elements

**Pictogram** Not applicable

**Signal word** Not applicable

**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** P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards** No data available

## SECTION 3. Composition/information on ingredients

### Mixture

Highly refined mineral oils and additives

**Contents:** 100.00 %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

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

#### SECTION 4. First aid measures

##### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. For thermal burns, cool affected areas as quickly as possible by immersing in water. Consult a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. If burns occur, treat as thermal burns.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.

##### Most important symptoms/effects, acute and delayed

Refer to SECTION 11

#### SECTION 5. Firefighting measures

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<b>Suitable extinguishing media</b>	Water spray. Foam Dry powder Carbon dioxide (CO <sub>2</sub> ).
<b>Special hazards arising from the substance or mixture</b>	Do not allow run-off from fire fighting to enter drains or water courses.
<b>Special protective equipment for firefighters</b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
<b>Environmental precautions</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Keep in suitable, closed containers for disposal.
<b>Reference to other sections</b>	Refer to Section 8 and 13

### SECTION 7. Handling and storage

<b>Safe handling advice</b>	Ensure adequate ventilation. Do not breathe vapours or spray mist. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Wear personal protective equipment.
<b>Advice on protection</b>	Keep away from open flames, hot surfaces and sources of



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- against fire and explosion** ignition.
- Requirements for storage areas and containers** Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage** Keep away from oxidizing agents, and acidic or alkaline products.

### 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

Provide sufficient air exchange and/or exhaust in work rooms.

##### 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 glasses with side-shields

**Skin and body protection** Safety shoes. 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

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa
<b>Colour</b>	Light brown
<b>Odour</b>	Hydrocarbon-like
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>pourpoint</b>	-15 ° C
<b>Initial boiling point and boiling range</b>	> 280 ° C
<b>Sublimation point</b>	No data available
<b>Flash point</b>	260 ° C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Auto-ignition temperature</b>	> 320 ° C
<b>Lower explosion limit</b>	typ. 10 %(V)
<b>Upper explosion limit</b>	typ. 1 %(V)
<b>Vapour pressure</b>	< 0.005 hPa

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<b>Relative vapour density</b>	No data available
<b>Density</b>	0.89 g/cm <sup>3</sup> ; 20 ° C
<b>Water solubility</b>	Immiscible
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity, kinematic</b>	237 mm <sup>2</sup> /s; 40 ° C

#### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Strong oxidizing agents
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Strong acids and oxidizing agents
<b>Hazardous decomposition products</b>	Stable under normal conditions.

#### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	No data available
<b>Acute dermal toxicity</b>	No data available
<b>Carcinogenicity</b>	Mineral oils are severely solvent refined or hydrotreated.



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**Further Information**                      No data available

### SECTION 12. Ecological information

<b>Toxicity to fish</b>	No data available
<b>Toxicity to daphnia and other aquatic invertebrates</b>	No data available
<b>Toxicity to algae</b>	No data available
<b>Other adverse effects</b>	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**

<b>Canadian Domestic Substances List (DSL)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
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<b>Australian Inv. of Chem. Substances (AICS)</b>	<b>Components Not listed</b>
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	Highly refined mineral oils and additives
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>Korea. Existing Chemicals Inventory (KECI)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>China Inv. Existing Chemical Substances (IECSC)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>Taiwan. Chemical Substances Inventory (TCSI)</b>	<b>Components Not listed</b> Highly refined mineral oils and additives
<b>USA TSCA Inventory</b>	<b>Components Not listed</b> Highly refined mineral oils and additives

### 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



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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.