



Safety Data Sheet

Industrial Gear Oil EP 220

Version 1.02

Revision Date %&'&\$%&

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

Trade name	Industrial Gear Oil EP 220	
Synonyms	Industrial Gear Oil EP 220, Gear Oil	
Company	Sasol Oil 32 Hill Street Randburg, 2125 Republic of South Africa	
Information (Product safety)	Telephone: +27 (0) 11 889 7600/0860 72765 Fax: +27 (0) 11 889 7979	
	E-mail address msds.info@sasol.com	
Emergency telephone	Europe, Israel, Africa, Americas	+44 (0)1235 239 670
	Middle East, Arabic African countries	+44 (0)1235 239 671
	Asia Pacific	+65 3158 1074
	China	+86 10 5100 3039
	South Africa	+27 (0)17 610 4444
	Australia	+61 2 9032 0460

2. Hazards identification

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/information on ingredients

Preparation on the base:

Gyj Yf Ymgc`j Ybhf YZ]b YX`VUgYc]

Contents: 98.38 %W/W

CAS-No. Úi[] !ãæ^

Index-No. 649-474-00-6

EC-No. 265-169-7

Long-chain alkyl amine

Contents: 0.15 %W/W

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4. 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 symptoms persist, call a physician.
Skin contact	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.
Eye contact	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.
Ingestion	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.

5. Fire-fighting measures

Suitable extinguishing media	Water spray, Foam, Dry powder, Carbon dioxide (CO ₂)
Specific hazards during fire fighting	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Further information	Cool containers / tanks with water spray. In the event of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.

6. Accidental release measures

Personal precautions	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.
Additional advice	Never return spills in original containers for re-use.



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7. Handling and storage

Handling

Safe handling advice 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.

Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

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
unsuitable gloves
Material: Polyvinylchloride, leather, nitrile rubber/nitrile latex, natural rubber/natural latex

Eye protection Safety glasses with side-shields

Skin and body protection Safety shoes, Lightweight protective clothing, Use protective skin cream before handling the product.

Hygiene measures Wash hands before breaks and immediately after handling the product.



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Protective measures *Wear suitable protective equipment.*

9. Physical and chemical properties

Form	<i>liquid</i>
state of matter	<i>liquid; at 20 °C; 1,013 hPa</i>
Colour	<i>light brown</i>
pourpoint	<i>-12 °C</i>
Flash point	<i>250 °C</i>
Autoignition temperature	<i>> 320 °C</i>
Density	<i>0.90 g/cm³; 20 °C</i>
Water solubility	<i>immiscible</i>
Viscosity, kinematic	<i>230 mm²/s; 40 °C</i>

10. Stability and reactivity

Materials to avoid	<i>Oxidizing agents</i>
Hazardous decomposition products	<i>Carbon oxides Hydrocarbons</i>

11. Toxicological information

Carcinogenicity	<i>Mineral oils are severely solvent refined or hydrotreated., Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects.</i>
Further information	<i>No data available</i>

12. Ecological information

Ecotoxicity effects	
Further information	<i>No data available</i>

13. Disposal considerations

Product	<i>Dispose of in accordance with local regulations.</i>
Contaminated packaging	<i>Store containers and offer for recycling of material when in accordance with the local regulations.</i>

14. Transport information



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Further information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Labelling

Regulatory base

1999/45/EC

Additional advice

The product does not need to be labelled in accordance with EC directives or respective national laws.

Special labelling of certain mixtures

Restricted to professional users.

Hazardous components which must be listed on the label

None

16. Other information

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSI Z400.1:1993. The MSDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the 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 the 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 as regards 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 the product.

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

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The MSDS was approved by: Ephraim Papo