



Safety Data Sheet

Locomotive Oil Gen 4 20W-40

Version 1.01

Revision Date 23.05.2024

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

Product identifier

Trade name Locomotive Oil Gen 4 20W-40

Synonyms Engine Oil, Railroad, Locomotive 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

REGULATION (EC) No 1272/2008

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

Label elements

Pictogram Not applicable.



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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 This substance is not classified as hazardous according to GHS.

Other hazards No data available.

SECTION 3. Composition/information on ingredients

Mixture

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified

Contents: <= 77.40 %W/W

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

C14-16-18 Alkyl phenol

Contents: >= 0.20 - <= 1.50 %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	light brown
Odour	Mild
Odour Threshold	No data available.
pH	No data available.
Pour point	-27 ° C
Boiling point/boiling range	No data available.
Flash point	240 ° 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	0.891 g/cm ³ ; 20 ° C

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Bulk density	No data available.
Water solubility	emulsifiable
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	125 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	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified; LD50 Rat: > 2,000 mg/kg;
Acute inhalation toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil -

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	unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;
Acute dermal toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rabbit: > 2,000 mg/kg;
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Oral Rat; Lowest observed adverse effect level 125 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Rat; NOAEL Early embryonic development 30 - 2,000 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Mouse; NOAEL Early embryonic development 150 mg/kg
Carcinogenicity	Mineral oils are severely solvent refined or hydrotreated.

SECTION 12. Ecological information

Toxicity to fish	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: static test; Pimephales promelas; 96 h; LL50; > 100 mg/l;
Toxicity to daphnia and other aquatic invertebrates	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available.



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Toxicity to algae	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified; Algae72 h; > 100 mg/l;
Toxicity to fish	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified; No data available.

SECTION 13. Disposal considerations

Product	Dispose of in accordance with local regulations.
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SECTION 14. Transport information

Further Information	Not classified as dangerous in the meaning of transport regulations.
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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 C14-16-18 Alkyl phenol
Australia. AICS - Australian Inventory of Chemical Substances	Components Not listed C14-16-18 Alkyl phenol
New Zealand Inventory of Chemical Substances	Components Not listed C14-16-18 Alkyl phenol
Japan. ENCS - Existing and New Chemical	Components Not listed

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Substances Inventory	Distillates (petroleum), hydrotreated heavy paraffinic C14-16-18 Alkyl phenol
Japan. Industrial Safety and Health Law - Inventory	Components Not listed Distillates (petroleum), hydrotreated heavy paraffinic C14-16-18 Alkyl phenol
Korea. KECI - Korean Existing Chemicals Inventory	Components Not listed C14-16-18 Alkyl phenol
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	Components Not listed C14-16-18 Alkyl phenol
China. IECSC - Inventory of Existing Chemical Substances in China	Components Not listed C14-16-18 Alkyl phenol
Taiwan. Chemical Substances Inventory (TCSI)	Components Not listed C14-16-18 Alkyl phenol
USA TSCA Inventory	Components Not listed C14-16-18 Alkyl phenol

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



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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.