



MASOIL SG/CF ENGINE OILS

SAE 30, 40, 15W40, 20W50

Overview

Masoil Engine oil SG/CF range of engine oils blended from virgin base oils, which have been fortified with performance additives to meet the API SG/CF specification.

- CAT TO2
- CUMMINS NTC
- MB 227.0
- MAN 270

Outstanding Features

Masoil Engine oil SG/CF range meets the following specifications:

- API SF/CF
- MIL-L-2104C
- CCMCG4/PD2/D4
- ALLISON C3
- NISSAN LD-28 VTW
- VOLVO VDS
- MACK EO-K/2

Directions for Use

Masoil Engine oil SG/CF range Oils are recommended for turbo and naturally aspirated indirect fuel injection diesel engines and petrol engines calling for API classification SG/CF. They can also be used in a variety of other industrial applications, such as certain types of compressors where the manufacturer specifies the use of an engine oil. They can also be used in forklifts, trucks, and tractors without EGR systems, and function well on extreme pressure applications.

Technical Data

SAE GRADE	30	40	15W40	20W50
Viscosity @ 40°C	92	134	100-115	175
Viscosity @ 100°C	11.0	14.2	13.0-15.8	19.5
Viscosity Index	105	104	130	125
Pour Point °C	-18	-9	-27	-25

This data sheet and the information is believed to be accurate as of the date of printing. However, to the extent that it is permissible by law to exclude warranties and representations, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.



1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer/Supplier	B.A CORPORATION PTY (Ltd)
Trade Name	MASOIL
Phone Number	012-377 2507
Fax	012-377 2507
Mobile	082 453 3810 / 072 422 5464
Email:	sales@masoil.co.za

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product	Codes	Concentration Risk	Phrases	Classification
Component Name				
Group II Base oils	80.00 – 95.00			
Performance agents	5.00 – 20.00			

3. HAZARD IDENTIFICATION

Main Hazards	Not hazardous according to OSHA 29 CFR 1910.1200
Health Effects – Eyes	May cause irritation to the eyes.
Health Effects – Skin	No hazard providing normal cleansing is carried out.
Health Effects – Ingestion	No problems expected for minor ingestion. However, for amounts exceeding ½ liter give 1 or 2 glasses of water and call a doctor.
Health Effects – Inhalation	May cause irritation, dizziness or nausea if inhaled over a prolonged period, especially whilst hot.

4. FIRST AID MEASURES

First Aid – Eyes	Flush thoroughly with water. If irritation occurs, call a doctor.
First Aid – Skin	Wash skin with soap and water
First Aid – Ingestion	Wash out mouth with water. Obtain medical attention. Do not induce vomiting.
First Aid – Inhalation	Remove from exposure and if the patient experiences irritation, nausea or unconsciousness, seek medical assistance.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical, carbon dioxide or water fog.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	No special hazards.
Protective Equip, for Fire-Fighting	Wear self-contained breathing apparatus for fires in enclosed spaces.



6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions	Material can create slippery conditions underfoot.
Environmental Precautions	Try to prevent the material from entering drains or watercourses.
Spillages	Contain and absorb using diatomaceous earth or other inert material. Transfer into suitable containers for disposal.
7. HANDLING AND STORAGE	
Handling	No special precautions are required.
Storage	Storage temperature should be controlled to between 1 and 40°C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Standards	
OIL MIST, CHEMICAL	UK EH40: OES 5mg/m ³ 8 h TWA. UK EH40: OES 10mg/m ³ 15 min TWA.
Engineering Control Measures	Exposure to this material may be controlled in several ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection is not normally required.
Hand Protection	No special protection needed. However, good personal hygiene practices should always be followed.
Eye Protection	Chemical goggles if there is a risk of eye contact.
Body Protection	Normal work wear
9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	Liquid
Colour	Amber
Odour	Faint
pH	N/A
Boiling Range/Point (°C)	Boils above 320°C
Flash Point (PMCC) (°C)	Exceeds 200 °C
Solubility in Water (kg/m ³)	Insoluble
Density (kg/m ³)	0.885 kg per liter
Auto-flammability (°C)	Above 350°C
Viscosity (cSt)	See technical data sheet
10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions
Conditions to Avoid	Strong oxidation
Materials to Avoid	Strong oxidizing agents



Hazardous Decomposition Products	Combustion will generate carbon monoxide and smoke, possibly thick and choking, resulting in zero visibility.
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11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of acute toxicity.
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12. ECOLOGICAL INFORMATION

Mobility	The product will leach into soil and will float on water.
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Persistence/Degradability	The product is expected to biodegrade very slowly with time.
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13. DISPOSAL

Product Disposal	Dispose of in accordance with all applicable local and national regulations.
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Container Disposal	An approved drum recycler can recycle containers.
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14. TRANSPORT INFORMATION

Un Class	Not classified
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IMO Class	Not classified
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IMDG Class	Not classified
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IATA Class	Not classified
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15. REGULATORY INFORMATION

Labelling information	Irritant
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Government Inventory Status	Not established
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US Superfund Amendments	This product contains no "Extremely Hazardous Substances"
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16. OTHER INFORMATION

MSDS First Issued	01 Sep 2009
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MSDS Data Revised	13 Feb 2019
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Product Use	Automotive Engine Oil
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To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.