

Safety Data Sheet

Engine Coolant

Version 1.00

Revision Date 15.09.2022

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

Product identifier

Trade name

Engine Coolant

Synonyms

Coolant Concentrate, Antifreeze and Summer Coolant,
Coolant Conc 100, Coolant Pre-mix 50

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

Use

Anti-freezing agents

Manufacturer or supplier's details

Company

Sasol Oil Pty (Ltd)

Address

Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

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

Acute toxicity

Category 4

Reproductive toxicity

Category 1

Label elements

Hazard pictograms



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Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H360 May damage fertility or the unborn child.

Precautionary statements

Prevention P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P330 Rinse mouth.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage P405 Store locked up.

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

SECTION 3. Composition/information on ingredients

Mixture

Ethylene glycol

Contents: >= 90.00 %W/W

CAS-No. 107-21-1

Index-No. 603-027-00-1

EC-No. 203-473-3

Hazard statements H302

sodium 2-ethylhexanoate

Contents: >= 2.00 - <= 3.00 %W/W

CAS-No. 19766-89-3

Index-No.

EC-No. 243-283-8

Hazard statements H361



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disodium tetraborate pentahydrate

Contents: ≥ 0.30 - ≤ 1.00 %W/W

CAS-No. 12179-04-3

Index-No. 005-011-02-9

EC-No.

Hazard statements *H360*

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SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
Skin contact	Wash off with soap and water. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Alcohol-resistant foam. Dry powder. Carbon dioxide.
Special hazards arising from the substance or mixture	Hazardous/toxic decomposition products may occur. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Do not breathe vapours or spray mist. Danger of slipping after spill or leakage.
Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

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Methods for cleaning up The material taken up must be disposed of in accordance with regulations. Soak up with inert absorbent material and dispose of as hazardous waste.

Reference to other sections Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice Wear personal protective equipment. Keep container closed when not in use.

Advice on protection against fire and explosion No special protective measures against fire required.

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

Advice on common storage Keep in a cool, well-ventilated place.

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
ETHANE-1,2-DIOL, PARTICULATE	TWA	10 mg/m ³	1995	South Africa RELs
ETHANE-1,2-DIOL, VAPOUR	TWA	60 mg/m ³	1995	South Africa RELs
ETHANE-1,2-DIOL, VAPOUR	STEL	125 mg/m ³	1995	South Africa RELs

Exposure controls

Engineering measures

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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	Protective suit. Safety shoes.
Hygiene measures	Wash hands before breaks and immediately after handling the product. Do not inhale aerosol.

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	Blue
Odour	ester-like
Odour Threshold	No data available.
pH	7.5 - 8.3
Pour point	< -30 ° C
Melting point/freezing point	< -18 ° C
Boiling point/boiling range	> 105 ° C
Flash point	> 118 ° C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	> 300 ° C
Auto ignition temperature	> 440 ° C
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapour pressure	No data available.

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Relative vapour density	No data available.
Density	1.072 - 1.12 g/cm ³ ; 20 ° C
Water solubility	Completely miscible, Completely soluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	< 30 mm ² /s; 40 ° C

SECTION 10. Stability and reactivity

Reactivity	No data available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Conditions to avoid	Strong sunlight for prolonged periods. Heat, flames, sparks and other combustion sources.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. Toxicological information

Acute oral toxicity	sodium 2-ethylhexanoate: LD50 Rat: 2,043 mg/kg;
Acute dermal toxicity	sodium 2-ethylhexanoate: LD50 Rat: 2,000 mg/kg;

SECTION 12. Ecological information

Toxicity to daphnia and other aquatic invertebrates	Ethylene glycol: 48 h; EC50; 100 mg/l
Toxicity to daphnia and other aquatic invertebrates	Ethylene glycol: 48 h; EC0; 100 mg/l
Toxicity to daphnia and other aquatic invertebrates	Ethylene glycol: 48 h; EC100; 100 mg/l
Toxicity to daphnia and other aquatic invertebrates	sodium 2-ethylhexanoate: 48 h; EC50; 85.4 - 910 mg/l
Toxicity to daphnia and other	sodium 2-ethylhexanoate:

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aquatic invertebrates	48 h; EC0; 62.5 mg/l
Toxicity to daphnia and other aquatic invertebrates	sodium 2-ethylhexanoate: 48 h; EC100; 125 mg/l
Toxicity to algae	Ethylene glycol: Anabaena flos-aquae (cyanobacterium)72 h; NOEC; 100 mg/l;
Toxicity to algae	sodium 2-ethylhexanoate: Anabaena flos-aquae (cyanobacterium)72 h; EC50; 49.3 mg/l;
Toxicity to algae	sodium 2-ethylhexanoate: 72 h; EC10; 32 mg/l;
Toxicity to bacteria	sodium 2-ethylhexanoate: 17 h; EC50; 112.1 mg/l
Toxicity to bacteria	sodium 2-ethylhexanoate: 17 h; EC10; 71.7 mg/l
Chronic toxicity in aquatic invertebrates	sodium 2-ethylhexanoate: ; 21 dNOEC; 25 mg/l

SECTION 13. Disposal considerations

Product	In accordance with local and national regulations.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

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
Borates, tetra sodium salts, pentahydrate

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Australia. AICS - Australian Inventory of Chemical Substances**Components Not listed**

sodium 2-ethylhexanoate

Borates, tetra sodium salts, pentahydrate

New Zealand Inventory of Chemical Substances

All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)

Japan. ENCS - Existing and New Chemical Substances Inventory**Components Not listed**

Borates, tetra sodium salts, pentahydrate

Japan. Industrial Safety and Health Law - Inventory**Components Not listed**

Borates, tetra sodium salts, pentahydrate

Korea. KECI - Korean Existing Chemicals Inventory**Components Not listed**

Borates, tetra sodium salts, pentahydrate

Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances

All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)

China. IECSC - Inventory of Existing Chemical Substances in China

All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)

Taiwan. Chemical Substances Inventory (TCSI)

All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)

USA TSCA Inventory**Components Not listed**

Borates, tetra sodium salts, pentahydrate

SECTION 16. Other information**Full text of H-Statements**

H302 Harmful if swallowed.

H360 May damage fertility or the unborn child.

H361 Suspected of damaging fertility or the unborn child.

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



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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.

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