



Safety Data Sheet

Electrical Cleaner

Version 1.00

Revision Date 08.10.2024

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

Product identifier

Trade name Electrical Cleaner

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

Use Cleaning agent

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 +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)
+44(0)1235 239 671 (Middle East, Arabic African countries)
+65 3158 1074 (Asia Pacific)
+86 10 5100 3039 (China)
+27 (0)17 610 4444 (South Africa)
+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification	Carcinogenicity	Category 2
	Long-term (chronic) aquatic hazard	Category 2
	Flammable liquids	Category 3

Label elements

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Hazard pictograms :



Signal word :

Warning

Hazard statements :

- H351 Suspected of causing cancer.
- H411 Toxic to aquatic life with long lasting effects.
- H226 Flammable liquid and vapour.

Precautionary statements

Prevention

- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
- P273 Avoid release to the environment.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.

Response

- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P391 Collect spillage.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P370+ P378 In case of fire: Use Dry chemical, CO2, Water spray or fire-fighting foam to extinguish

Storage

- P405 Store locked up. P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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SECTION 3. Composition/information on ingredients

Mixture

Preparation or mixture on the basis of hydrocarbons

Contents: > 50.00 %W/W

CAS-No.	Index-No.	EC-No.
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tetrachloroethylene

Contents: > 20.00 %W/W

CAS-No. 127-18-4	Index-No. 602-028-00-4	EC-No. 204-825-9
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Hazard statements *H351 H411*

dichloromethane; methylene chloride

Contents: < 20.00 %W/W

CAS-No. 75-09-2	Index-No. 602-004-00-3	EC-No. 200-838-9
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Hazard statements *H351*

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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 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 while removing all contaminated clothes and shoes. 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	Clean mouth with water and drink afterwards plenty of water. Induce vomiting, but only if victim is fully conscious. Get medical attention/advice if you feel unwell.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture	Substance evolves toxic gases when burned. 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



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- Personal precautions** Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapours or spray mist.
- 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** Disposal and clean up may only be done by authorised personnel. Pick up and arrange disposal without creating dust.
- 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. Ensure adequate ventilation. Avoid contact with skin and eyes. Keep away from flames and sparks.
- Advice on protection against fire and explosion** No data available
- Requirements for storage areas and containers** Keep container tightly closed. Store in a cool and shaded area. Keep away from heat. Keep away from direct sunlight. Do not store near combustible materials. Ensure adequate ventilation.
- Advice on common storage** No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
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PERCHLOROETHYLENE	TWA	335 mg/m3	1995	South Africa RELs
PERCHLOROETHYLENE	TWA	50 ppm	1995	South Africa RELs
	STEL	1,000 mg/m3	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs
DICHLOROMETHANE	TWA	350 mg/m3	1995	South Africa Control Limits
METHYLENE CHLORIDE	TWA	100 ppm	1995	South Africa Control Limits
METHYLENE CHLORIDE	TWA	350 mg/m3	1995	South Africa RELs
	TWA	100 ppm	1995	South Africa RELs
	STEL	780 mg/m3	1995	South Africa RELs
	STEL	250 ppm	1995	South Africa RELs

Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Respiratory protection** In the case of hazardous fumes, wear self contained breathing apparatus.
- 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** Protective suit Safety shoes
- Hygiene measures** Wash hands before breaks and immediately after handling the 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



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Colour	Clear, colourless
Odour	Mild
Odour Threshold	No data available
pH	No data available
	No data available
Boiling point/boiling range	> 40 ° C
Flash point	56 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	1.5 g/cm ³ ; 20 ° C
Water solubility	Immiscible.
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	No data available

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat, flames and sparks. Avoid temperatures above 60° C, direct sunlight and contact with sources of heat.
Materials to avoid	Nitrogen oxides (NO _x)
Hazardous decomposition products	HydrogenDecomposes by reaction with strong acids.

SECTION 11. Toxicological information

Acute oral toxicity tetrachloroethylene:

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Acute oral toxicity	LD50 Rat: 2,400 - 13,000 mg/kg; dichloromethane; methylene chloride:
Acute inhalation toxicity	LD50 Rat: 2,000 mg/kg; dichloromethane; methylene chloride: LC50 Rat: 49 mg/l;
Acute dermal toxicity	dichloromethane; methylene chloride: LD50 Rat: 2,000 mg/kg;
Repeated dose toxicity	tetrachloroethylene: Oral Mouse; Lowest observed adverse effect level 390 - 540 mg/kg
Repeated dose toxicity	dichloromethane; methylene chloride: Oral Rat; NOAEL Early embryonic development 6 mg/kg
Repeated dose toxicity	dichloromethane; methylene chloride: Inhalation Rat; NOAEL Early embryonic development 6 mg/kg

SECTION 12. Ecological information

Toxicity to fish	tetrachloroethylene: Pimephales promelas; 96 h; LC50; 21.4 mg/l;
Toxicity to fish	dichloromethane; methylene chloride: Pimephales promelas; 96 h; LC50; 193 mg/l;
Toxicity to daphnia and other aquatic invertebrates	tetrachloroethylene: Daphnia magna; 24 h; EC50; 3.2 mg/l
Toxicity to daphnia and other aquatic invertebrates	dichloromethane; methylene chloride: 48 h; LC50; 27 - 109 mg/l
Toxicity to bacteria	tetrachloroethylene: 24 h; IC50; 112 mg/l
Toxicity to fish	dichloromethane; methylene chloride: ; 28 dNOEC; 83 - 321 mg/l
Toxicity to fish	dichloromethane; methylene chloride: ; 8 dNOEC; 357 mg/l

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance to local, national
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and international regulations. Refer to standard code of practice from supplier.

SECTION 14. Transport information

ADR

UN number: 1993
Class: 3
Packaging group: III; F1;
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

RID

UN number: 1993
Class: 3
Packaging group: III; F1
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

ADNR

UN number: 1993
Class: 3
Packaging group: III; F1
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

IMDG

UN number: 1993
Class: 3
EmS: F-E, S-E
Packaging group: III
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

ICAO/IATA

UN number : 1993
Class: 3
Packaging group: III

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Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

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 Preparation or mixture on the basis of hydrocarbons
Australia. AICS - Australian Inventory of Chemical Substances	Components Not listed Preparation or mixture on the basis of hydrocarbons
New Zealand Inventory of Chemical Substances	Components Not listed Preparation or mixture on the basis of hydrocarbons
Japan. ENCS - Existing and New Chemical Substances Inventory	Components Not listed Preparation or mixture on the basis of hydrocarbons
Japan. Industrial Safety and Health Law - Inventory	Components Not listed Preparation or mixture on the basis of hydrocarbons
Korea. KECI - Korean Existing Chemicals Inventory	Components Not listed Preparation or mixture on the basis of hydrocarbons
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	Components Not listed Preparation or mixture on the basis of hydrocarbons
China. IECSC - Inventory of Existing Chemical Substances in China	Components Not listed Preparation or mixture on the basis of hydrocarbons
Taiwan. Chemical Substances Inventory (TCSI)	Components Not listed Preparation or mixture on the basis of hydrocarbons
USA TSCA Inventory	Components Not listed Preparation or mixture on the basis of hydrocarbons

SECTION 16. Other information



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Full text of H-Statements

H351 Suspected of causing cancer.

H411 Toxic to aquatic life with long lasting effects.

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 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.