

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 01.08.2024

Version number 3.00 (replaces version 2.00)

Revision: 01.08.2024

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

1.1 Product identifier

Trade name: **CLASSIC ILSAN TF D479**

UFI:

VXQ0-A03K-Q00V-F157

Notified for: Germany, France, Sweden

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

No further relevant information available.

Application of the substance / the mixture

Premium insulating oil (type II, inhibited) for use in electrical transformers, circuit breakers and switches.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

DEUTSCHLAND

Telephone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS08

Signal word Danger

Hazard-determining components of labelling:

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)

Distillates (petroleum), hydrotreated middle; Gas oil - unspecified

Hazard statements

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

Results of PBT and vPvB assessment

This mixture contains no substances assessed as PBT or vPvB in a concentration $\geq 0.1\%$.

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

This product does not contain a substance in a concentration equal to or greater than 0.1% by weight that is included in the list referred to in Article 59, §1 of the REACH Regulation due to its endocrine disrupting properties or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 72623-86-0 EINECS: 276-737-9 Reg.nr.: 01-2119474878-16-0001	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ⚠ Asp. Tox. 1, H304	90-100%
CAS: 64742-55-8 EINECS: 265-158-7 Reg.nr.: 01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L) ⚠ Asp. Tox. 1, H304	70-90%
CAS: 64742-46-7 EINECS: 265-148-2 Reg.nr.: 01-2119489867-12	Distillates (petroleum), hydrotreated middle; Gas oil - unspecified ⚠ Asp. Tox. 1, H304	$\geq 0 - \leq 10\%$
CAS: 119-64-2 EINECS: 204-340-2 Reg.nr.: 01-2119539463-37-0001	1,2,3,4-tetrahydronaphthalene ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319	1-2.5%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119555270-46 01-2119565113-46	Butylated hydroxytoluene ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410	0.1-0.25%

Additional information:

The mineral oils in the product contain < 3% DMSO extract (IP 346).
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.
Artificial respiration and/or oxygen may be necessary.

After skin contact:

In case of contact, rinse skin immediately with plenty of water for at least 15 minutes, removing contaminated clothing and shoes.

Wash skin thoroughly with soap and water or use approved skin cleanser.

Wash contaminated clothing before reuse.

Seek medical advice.

After eye contact:

Remove contact lenses.

Rinse immediately with plenty of water for at least 15 minutes, also under the eyelids. Consult a doctor

After swallowing:

Rinse mouth with water.

DO NOT induce vomiting unless directed to do so by a doctor or poison control centre.

Never give anything by mouth to an unconscious person.

Seek medical advice.

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4.2 Most important symptoms and effects, both acute and delayed

First responders must protect themselves.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: No information available.

5.2 Special hazards arising from the substance or mixture

Special hazards during firefighting:

Cool closed containers near the source of the fire with water spray.

Hazardous combustion products:

Carbon oxides (CO, CO₂), smoke and irritant gases in case of incomplete combustion.

5.3 Advice for firefighters

Protective equipment: No special measures required.

Additional information Do not allow extinguishing water to enter surface water or groundwater systems.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

Material can create slippery conditions. Mark the contaminated area with signs and prevent access to unauthorized personnel.

Only qualified personnel equipped with suitable protective equipment may intervene.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material.

Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

6.4 Reference to other sections See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.

Advice on protection against fire and explosion:

None known.

Hygiene measures :

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

Information about fire - and explosion protection: No special measures required.

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7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Storage class: -

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Mineral oil mist

TWA

5 mg/m³

US. ACGIH Threshold Limit Values

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

No special ventilation requirements. Good standard room ventilation should be sufficient to limit the exposure of workers to air pollutants.

Respiratory protection:

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter against organic vapours.

Hand protection

When handling chemical products, chemical-resistant, impervious gloves conforming to a recognised standard must always be worn if a risk assessment so requires.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

neoprene, nitrile, polyvinyl alcohol (PVA), Viton®.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Wear face shield in case of processing difficulties.

Body protection:

Select body protection according to its type, concentration and quantity of hazardous substances and the respective workplace.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Viscose liquid
Colour:	Clear
Odour:	Slight smell like naftalin.
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Low fire hazard. This material must be heated before ignition will occur.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	170 °C
Decomposition temperature:	Not determined.
pH	Mixture is non-soluble (in water).
Viscosity:	
Kinematic viscosity at 100 °C	2.6 mm ² /s
Kinematic at 40°C	9.2 mm ² /s
Dynamic:	Not determined.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.84 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	Does not apply to liquids.

9.2 Other information

Appearance:	
Form:	Viscous liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Change in condition	
Drip point:	
Pour point	-60 °C
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void

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Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur. Stable under normal conditions.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Reacts with oxidizing agents, acids and alkalis

10.6 Hazardous decomposition products:

COx, hydrocarbons, smoke and irritant gases can be released during combustion.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Oral	LD50 oral	>5,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (rabbit)
Inhalative	LC50	>5.2 (Rat) (4h)

CAS: 119-64-2 1,2,3,4-tetrahydronaphthalene

Oral	LD50 oral	2,860 mg/kg (Rat)
Dermal	LD50 dermal	17,300 mg/kg (rabbit)

CAS: 128-37-0 Butylated hydroxytoluene

Oral	LD50 oral	6,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 g/m ³ (rabbit)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

The mixture does not contain substances listed for endocrine disrupting properties in accordance with REACH Article 59(1) or has been determined not to contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1% in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

NOEC	>100 mg/L /72 h (algae)
	>100 mg/L /48 h (Daphnia magna)
	>100 mg/L /96 h (Fish)

CAS: 119-64-2 1,2,3,4-tetrahydronaphthalene

EC50	9.5 mg/L /48 h (Daphnia magna)
LC50	3.2 mg/L /96 h (Fish)

CAS: 128-37-0 Butylated hydroxytoluene

EC50	0.48 mg/L /48 h (Daphnia magna)
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12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

This substance/mixture does not contain components classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

The above statement applies to the substances contained in the product from 0.1 %.

12.7 Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company.

Waste must be classified and labelled prior to recycling or disposal. Send to a licensed waste management company. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

European waste catalogue

HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	not regulated
14.2 UN proper shipping name ADR, IMDG, IATA	not regulated
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	not regulated
14.4 Packing group ADR, IMDG, IATA	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
UN "Model Regulation":	not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS08

Signal word Danger

Hazard-determining components of labelling:

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
Distillates (petroleum), hydrotreated light paraffinic; Base oil - unspecified (Note L)
Distillates (petroleum), hydrotreated middle; Gas oil - unspecified

Hazard statements

H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP) No ingredient is listed.

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

Contains no REACH Annex XIV substances.

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REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

Does not contain substances listed on the Ozone Depletion List (Regulation EU 1005/2009 on substances that deplete the ozone layer).

National regulations:

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Aspiration hazard

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: product management

Contact: product management

Date of previous version: 07.04.2022

Version number of previous version: 2.00

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
*** Data compared to the previous version altered.**

EU