

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

Printing date 04.04.2025

Version number 2.00 (replaces version 1.00)

Revision: 04.04.2025

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

1.1 Product identifier

Trade name: **CLASSIC ILSAN GV 150 PAO**

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 transmission oil

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

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 Void

Signal word Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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

Additional information:

Contains: Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate, 3-(O,O-Diisobutylidithiophosphoryl)-2-methylpropanoic acid, Succinic anhydride, alkylation products with C12-rich branched olefins from propylene oligomerisation, hydrolysed, esterification products with propylene oxide, Polysulphides, di-tert-Bu. May produce an allergic reaction.

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

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68413-48-9

EINECS: 270-220-1

Reg.nr.: 01-2120786863-37

Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate

⚠ Skin Sens. 1B, H317; Aquatic Chronic 4, H413

<1%

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CAS: 68937-96-2 EINECS: 273-103-3 Reg.nr.: 01-2119540515-43	Polysulphides, di-tert-Bu ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	<1%
CAS: 268567-32-4 ELINCS: 434-070-2 Reg.nr.: 01-2119658068-31	3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≤0.3%
EC number: 943-535-3 Reg.nr.: 01-2120120363-71	Succinic anhydride, alkylation products with C12-rich branched olefins from propylene oligomerisation, hydrolysed, esterification products with propylene oxide ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317	≤0.3%

Additional information:

There are no additional ingredients present which, according to the supplier's current knowledge, are classified as harmful to health or the environment in the applicable concentrations, are PBT or vPvB substances or substances of equivalent concern, or which have an occupational exposure limit and would therefore need to be reported in this section.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: First aiders: Pay attention to self-protection!

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

After contact with skin, wash immediately with soap and water.

Take off immediately all contaminated clothing.

Consult a doctor in case of complaints.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove any existing contact lenses if possible.

If irritation, blurred vision or swelling persists, seek medical advice from a specialist.

After swallowing:

Rinse mouth with water. Do not induce vomiting unless specifically instructed to do so by medical personnel.

Seek immediate medical advice.

Information for doctor:

Treat symptomatically. If large quantities are swallowed or inhaled, contact a specialist at the Poisons Information Centre immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

First aid, decontamination, symptomatic treatment.

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use extinguishing powder, CO₂, water spray (mist) or foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In the event of heating or fire, an increase in pressure occurs and the container may burst.

Hazardous combustion products: Carbon monoxide, carbon dioxide, silicon dioxide, nitrogen oxides, phosphorus oxides, sulphur oxides, hydrogen sulphide, mercaptans

5.3 Advice for firefighters

Protective equipment:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Complete protective clothing.

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Additional information

In the event of a fire, immediately cordon off the scene and evacuate all persons from the danger zone. No measures should be taken that involve personal risk or that have not been adequately trained. Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

For non-emergency personnel

No action should be taken that involves personal risk or has not been adequately trained. Evacuate the area. Deny access to non-essential and unprotected personnel. Do not touch or walk on spilled substance. Put on appropriate personal protective equipment.

For emergency responders

If special clothing is needed to handle the spill, refer to section 8 on suitable and unsuitable materials. See also information in "Non-emergency trained personnel".

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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

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

Prevent from spreading (e.g. by damming-in or oil barriers).

Eliminate leaks if possible without risk.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections

For information on emergency information, see section 1

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear suitable protective equipment (see section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid inhalation of vapour or mist. Store in the original container or an approved replacement container made of a compatible material. Keep tightly closed when not in use. Empty containers contain product residue and may be hazardous. Do not reuse containers

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

Handling:

Advice on general hygiene in the workplace:

Do not eat, drink or smoke in areas where work is being carried out.

Remove contaminated clothing and protective equipment before entering areas where people eat.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep container tightly closed in a dry, cool and well-ventilated place.

Shelf life: 60 months.

Information about storage in one common storage facility:

Store separately from food, beverages and animal feed.

Further information about storage conditions:

Keep/Store only in original container.

Store in a cool dry place. Keep away from heat.

Keep container tightly sealed.

Storage class: 10

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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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Oral	DNEL Long-term Oral (Systemic)	0.167 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	4.67 mg/kg KG/d (worker) 1.67 mg/kg KG/d (Consumer)
Inhalative	DNEL, long-term, inhalation, systemic	3.29 mg/m ³ (worker) 0.58 mg/m ³ (Consumer)

CAS: 68413-48-9 Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate

Oral	DNEL Long-term Oral (Systemic)	5 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	14 mg/kg KG/d (worker) 5 mg/kg KG/d (Consumer)
Inhalative	DNEL, long-term, inhalation, systemic	49.3 mg/m ³ (worker) 8.7 mg/m ³ (Consumer)

CAS: 268567-32-4 3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid

Oral	DNEL Long-term Oral (Systemic)	0.6 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	1.25 mg/kg KG/d (worker) 0.6 mg/kg KG/d (Consumer)
Inhalative	DNEL, long-term, inhalation, systemic	4.4 mg/m ³ (worker) 1.1 mg/m ³ (Consumer)
	DNEL, acute, inhalation, systemic	4.4 mg/m ³ (worker) 1.1 mg/m ³ (Consumer)

Succinic anhydride, alkylation products with C12-rich branched olefins from propylene oligomerisation, hydrolysed, esterification products with propylene oxide

Oral	DNEL Long-term Oral (Systemic)	0.17 mg/kg bw/Tag (Consumer)
Dermal	DNEL, long-term, dermal, systemic	23.3 mg/kg KG/d (worker) 8.3 mg/kg KG/d (Consumer)
Inhalative	DNEL, long-term, inhalation, systemic	0.29 mg/m ³ (Consumer)

PNECs

CAS: 68937-96-2 Polysulphides, di-tert-Bu

PNEC	4.51 mg/L (Wastewater treatment plant) 0.000024 mg/L (Seawater) 0.00024 mg/L (Freshwater)
PNEC	1,513 mg/Kg (Soil) 758.9 mg/Kg (Seawater sediment) 7,589 mg/Kg (Freshwater sediment)

CAS: 268567-32-4 3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid

PNEC	0.0072 mg/L (Seawater) 0.072 mg/L (Freshwater)
PNEC	4.54 mg/Kg (Soil) 2.3 mg/Kg (Seawater sediment)

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23 mg/Kg (Freshwater sediment)

Additional information:

The data sheets of the upstream suppliers and lists valid at the time of production serve as a basis.

8.2 Exposure controls

Appropriate engineering controls

Good standard room ventilation should be sufficient to limit worker exposure to airborne pollutants.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands, forearms and face thoroughly after handling chemical products and at the end of the working day, as well as before eating, smoking and visiting the toilet. Choose appropriate methods to remove contaminated clothing. Wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are available near the work area.

Respiratory protection:

Ensure adequate ventilation and check that the air is safe and breathable before entering an enclosed area. Wear respiratory protection if ventilation is inadequate: Type A/P1 Caution! Filters have a limited period of use. Respirators must be used in strict compliance with their manufacturer's instructions and the regulations governing their choice and use.

Hand protection

Protective gloves according to EN 374.

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

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.425 mm

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.

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.

Penetration time of glove material

240-480 min

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

In case of risk of eye contact or decanting work: Safety goggles with side shields (EN 166).

Body protection:

Long-sleeved workwear

Non-slip shoes recommended.

Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure that they meet the requirements of environmental legislation. In some cases, exhaust air scrubbers, filters or engineering changes to process equipment will be required to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Colourless

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Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	>316 °C (ISO 3405)
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	0.9 Vol %
Upper:	7 Vol %
Flash point:	250 °C (COC)
Auto-ignition temperature:	>250 °C (ASTM E 659)
Decomposition temperature:	Not determined.
pH	Mixture is non-soluble (in water).
Viscosity:	
Kinematic viscosity at 40 °C	138-162 mm ² /s (ISO 3104)
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	<0.01 kPa
Density and/or relative density	
Density at 15 °C:	0.853–0.873 g/cm ³ (ISO 12185)
Relative density	0.853-0.873 (ISO 12185)
Vapour density	>2 (Luft=1)
Particle characteristics	Does not apply to liquids.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
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
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

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Desensitised explosives

Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid Stable under normal use conditions.

10.5 Incompatible materials: Oxidising agent, strong

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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: 68413-48-9 Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate

Oral	LD50 oral	11,300 mg/kg Körpergewicht
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Succinic anhydride, alkylation products with C12-rich branched olefins from propylene oligomerisation, hydrolysed, esterification products with propylene oxide

Oral	LD50 oral	>2,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Oral	LD50 oral	>2,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)

CAS: 268567-32-4 3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid

Oral	LD50	>2000 (Rat)
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Primary irritant effect:

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

Additional toxicological information:

Acute effects (acute toxicity, irritation and corrosivity) No particular effects or hazards known.

Symptoms related to the physical, chemical and toxicological characteristics No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No particular effects or hazards known.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain any substance at a concentration greater than or equal to 0.1% by weight included in the list referred to in Article 59, §1 of REACH due to its endocrine disrupting properties or any 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.

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Other information No further information available.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 68937-96-2 Polysulphides, di-tert-Bu

EC50	0.24 mg/L /48 h (Daphnia magna)
LC50	0.838 mg/L /72 h (algae)
	0.089 mg/L /96 h (Fish)

CAS: 268567-32-4 3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid

EC50	79 mg/l (72 h) (algae)
NOEC	3.6 mg/L /21 d (Daphnia magna)
	>100 mg/L /3 h (Microorganisms)
EC50	53 mg/L /48 h (Daphnia magna)
LC50	38 mg/L /96 h (Fish)

Succinic anhydride, alkylation products with C12-rich branched olefins from propylene oligomerisation, hydrolysed, esterification products with propylene oxide

EC50	67 mg/L /72 h (algae)
	100 mg/L /48 h (Daphnia magna)
LC50	100 mg/L (Fish)

12.2 Persistence and degradability

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Biological degradation | Not readily

CAS: 268567-32-4 3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid

Biological degradation | Readily

CAS: 68413-48-9 Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate

Biological degradation | Not readily

12.3 Bioaccumulative potential

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Partition coefficient n-octanol/water (Log Kow) | 5.6

CAS: 268567-32-4 3-(O,O-Diisobutyldithiophosphoryl)-2-methylpropanoic acid

Partition coefficient n-octanol/water (Log Kow) | 3.9

Succinic anhydride, alkylation products with C12-rich branched olefins from propylene oligomerisation, hydrolysed, esterification products with propylene oxide

Partition coefficient n-octanol/water (Log Kow) | 4.65

12.4 Mobility in soil

Due to its physical and chemical properties, the product is generally not very mobile in the soil. The product floats on water and does not dissolve. Loss through evaporation is low.

12.5 Results of PBT and vPvB assessment

This mixture/product does not contain any substances that meet the criteria for classification as PBT and/or vPvB substance.

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

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

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

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12.7 Other adverse effects

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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact the responsible authorised waste disposal company for waste disposal. Dispose of in accordance with official regulations.

European waste catalogue

13 02 06*	synthetic engine, gear and lubricating oils
HP14	Ecotoxic

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Please observe the relevant national or regional regulations. Waste must be separated in such a way that it can be treated separately by municipal or national waste disposal facilities.

Waste generation should be avoided or minimised where possible. Packaging waste should be recycled.

Incineration or landfilling should only be considered if recycling is not feasible.

Special precautions:

Waste and containers must be disposed of in a safe manner. Empty containers and liners may contain product residues. Avoid dispersal and run-off of released material and contact with soil, water bodies, drains and sewers.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

not regulated

ADN

9006

14.2 UN proper shipping name

ADR, IMDG, IATA

not regulated

ADN

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polysulfides, di-tert-Bu)

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class

not regulated

ADN

9

ADN/R Class:

9006

14.4 Packing group

ADR, IMDG, IATA

not regulated

14.5 Environmental hazards:

Additional information

ADN: The product is classified as dangerous goods only when transported in tank containers/vessels.

14.6 Special precautions for user

Transport on the factory premises: Transport only in closed containers that are upright and firm. Persons

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transporting the product must be instructed in the correct behaviour in case of accidents, leakage or spillage.

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 Void

Signal word Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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.

Seveso category Not subject to 2012/18/EU (SEVESO III)

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV) None of the components are listed.

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 2024/590 on substances that deplete the ozone layer).

National regulations:

Information about limitation of use:

Germany:

Observe restrictions according to the Youth Employment Protection Act (JArbSchG)

Germany:

Observe restrictions according to the Maternity Protection Act (MuSchG)

Technical instructions (air):

For Germany:

Number 5.2.1: 0.01%

Item 5.2.5: 99.9900%

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Number 5.2.5 - Class I: 28.39%

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

Other regulations, limitations and prohibitive regulations

Comply with Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods

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

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

Classification according to Regulation (EC) No 1272/2008

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

Date of previous version: 01.04.2025

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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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

*** Data compared to the previous version altered.**