

According to Regulation (EC) No 1907/2006

SEVERA INTENSE KLEEN

Version number: 1.2
Issued: 2026-01-20
Replaces SDS: 2023-11-08



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

1.1. Product identifier

Trade name

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

Relevant identified uses

Multi purpose cleaner for professional users.

Not suitable for use in

All other uses are discouraged.

1.3. Details of the supplier of the safety data sheet

Supplier

KLEEN PURGATIS GmbH

Address

Dieselstraße 10
32120 Hiddenhausen
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Web site

www.kleenpurgatis.de

Contact person

Regulatory Affairs

Email

info@kleen-purgatis.de

1.4. Emergency telephone number

+49 (0)551 - 19240 (GIZ-Nord)

Available outside office hours

Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

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2.2. Label elements

Supplemental hazard statements

EUH208 Contains 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Precautionary statements

P332 + P313 If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Specific concentration limits ATE	Note
3-butoxypropan-2-ol	5131-66-8 225-878-4 01-2119475527-28-xxxx 603-052-00-8	1 - <7%	Skin Irrit. 2, Eye Irrit. 2	H315, H319 - -		-
alcohols, C12-14, ethoxylated propoxylated	68439-51-0 - - -	1 - 5%	Aquatic Chronic 3	H412 - -		-
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 01-2119475104-44-xxxx 603-096-00-8	1 - <3%	Eye Irrit. 2	H319 - -		-
ethanol	64-17-5 200-578-6 01-2119457610-43-xxxx 603-002-00-5	0.5 - 2%	Flam. Liq. 2	H225 - -		-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.

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Inhalation

Take the victim into fresh air.

Skin contact

In case of contact, immediately flush skin with plenty of water.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion

Rinse mouth. Do NOT induce vomiting.

Information for doctors

For specialist advice physicians should contact the Poisons Information Service.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Dizziness

Skin contact

May cause an allergic skin reaction.

Eye contact

May cause eye irritation.

Ingestion

Nausea, vomiting, gastrointestinal discomfort.

4.3. Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, dry powder, foam, carbon dioxide (CO₂).

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Water jet. Do not use a water jet to prevent the scattering of flammable material.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

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Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with the material / product. Wear personal protective equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid direct contact with the material / product. Wear personal protective equipment.

General hygiene

When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Suitable container and packaging materials for safe storage: store in original container.

Keep away from food, drink and animal feeding stuffs.

Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 10 (flammable liquids)

Storage temperature : 10°C - 30°C

7.3. Specific end use(s)

GISCODE: GU50

See section 1.2: Multi purpose cleaner

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Source	Remark	Year
2-(2-butoxyethoxy)ethanol (EU)	112-34-5 203-961-6	10 / 67.5 /	15 / 101.2 /			-

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
3-butoxypropan-2-ol (5131-66-8/225-878-4)	DNEL	Chronic (long term) Inhalation	147 mg/m ³	Workers	Systemic
3-butoxypropan-2-ol (5131-66-8/225-878-4)	DNEL	Chronic (long term) Dermal	52 mg/kg	Workers	Systemic
3-butoxypropan-2-ol (5131-66-8/225-878-4)	DNEL	Chronic (long term) Oral	12.5 mg/kg	Consumers	Systemic
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	DNEL	Chronic (long term) Inhalation	67.5 mg/m ³	Workers	Local
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	DNEL	Acute (short term) Inhalation	101.2 mg/m ³	Workers	Local
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	DNEL	Chronic (long term) Oral	6.25 mg/kg	Consumers	Systemic
ethanol (64-17-5/200-578-6)	DNEL	Chronic (long term) Inhalation	950 mg/m ³	Workers	Systemic
ethanol (64-17-5/200-578-6)	DNEL	Acute (short term) Inhalation	1900 mg/m ³	Workers	Local
ethanol (64-17-5/200-578-6)	DNEL	Chronic (long term) Dermal	343 mg/kg	Workers	Systemic
ethanol (64-17-5/200-578-6)	DNEL	Chronic (long term) Oral	87 mg/kg	Consumers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Freshwater	525 µg/l

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Marine water	52.5 µg/l
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Sewage Treatment Plant	10 mg/l
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Sediment (freshwater)	2.36 mg/kg
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Sediment (marine water)	236 µg/kg
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Soil	0.16 mg/kg
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	PNEC	Freshwater	1.1 mg/l
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	PNEC	Marine water	110 µg/l
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	PNEC	Sediment (freshwater)	4.4 mg/kg
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	PNEC	Sediment (marine water)	440 µg/kg
2-(2-butoxyethoxy)ethanol (112-34-5/203-961-6)	PNEC	Soil	0.32 mg/kg
ethanol (64-17-5/200-578-6)	PNEC	Freshwater	960 µg/l
ethanol (64-17-5/200-578-6)	PNEC	Marine water	790 µg/l
ethanol (64-17-5/200-578-6)	PNEC	Sewage Treatment Plant	580 mg/l
ethanol (64-17-5/200-578-6)	PNEC	Sediment (freshwater)	3.6 mg/kg
ethanol (64-17-5/200-578-6)	PNEC	Sediment (marine water)	2.9 mg/kg
ethanol (64-17-5/200-578-6)	PNEC	Soil	0.63 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Eye / face protection

Chemical-resistant safety glasses with side protection conforming to EN166.

Hand protection

Chemical-resistant protective gloves (EN 374)

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Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Thermal hazards

No

Environmental exposure controls

No

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

colourless

Odour

Product specific

Odour threshold

Not determined for the mixture.

Melting point / freezing point

Not determined for the mixture.

Boiling point or initial boiling point and boiling range

Not determined for the mixture.

Flammability

Not determined for the mixture.

Lower and upper explosion limit

The product / mixture has no explosive properties.

Flash point

> 60 °C

Auto-ignition temperature

Not determined for the mixture.

Decomposition temperature

Not determined for the mixture.

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pH

8 - 9

Kinematic viscosity

Not determined for the mixture.

Viscosity, dynamic

Not determined for the mixture.

Solubility

Water soluble

Water solubility

Water soluble

Partition coefficient n-octanol/water

No data available

Vapour pressure

Not determined for the mixture.

Density and/or relative density

0.997 g/cm³

Relative density

Not determined for the mixture.

Relative vapour density

Not determined for the mixture.

Evaporation Rate

Not determined for the mixture.

Explosive properties

The product / mixture has no explosive properties.

Oxidising properties

The product / mixture has no oxidizing properties.

VOC %

13 %

Particle characteristics

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

9.2. Other information

No information available.

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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at normal conditions.

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.

For information on combustion products, see Section 5.

SECTION 11: Toxicological information

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

Toxicology data for the components

Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LD50	2.410 mg/kg	Oral	-	mouse	OECD 401
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LD50	2.764 mg/kg	Skin contact	-	rabbit	OECD 402
ethanol 64-17-5 / 200-578-6	LD50	10.470 mg/kg	Oral	-	rat	OECD 401
ethanol 64-17-5 / 200-578-6	LD50	> 2.000 mg/kg	Dermal	-	rabbit	OECD 402
ethanol	LC50	> 50 mg/l	Inhalation	4 h	rat	OECD 403

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Product / Sub- stance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
64-17-5 / 200- 578-6						
3-butoxypropan- 2-ol 5131-66-8 / 225- 878-4	LD50	3.300 mg/kg	Oral	-	rat	-
3-butoxypropan- 2-ol 5131-66-8 / 225- 878-4	LD50	>2.000 mg/kg	Skin contact	-	rat	-
alcohols, C12- 14, ethoxylated propoxylated 68439-51-0 /	LD50	> 5.000 mg/kg	Dermal	-	rat	-
alcohols, C12- 14, ethoxylated propoxylated 68439-51-0 /	LD50	> 2.000 mg/kg	Oral	-	rat	-

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

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**11.2. Information on other hazards****Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

SECTION 12: Ecological information**12.1. Toxicity****Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	LC50	560-1.000 mg/l	96h	Poecilia reticulata	-
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	LC50	> 1 - < 10 mg/l	48 h	Golden orfe	-
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LC50	1.300 mg/l	96h	Lepomis macrochirus	OECD 203
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LC50	>100 mg/l	-	Leuciscus idus	-
ethanol 64-17-5 / 200-578-6	LC50	8.140 mg/l	48 h	Leuciscus idus	-

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	EC 10	> 0,1 - 1 mg/l	72 h	Scenedesmus subspicatus	OECD 201
3-butoxypropan-2-ol 5131-66-8 / 225-	EC50	>1.000 mg/l	96h	Pseudokirchneriella subcapitata	-

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
878-4					
ethanol 64-17-5 / 200-578-6	EC50	> 100 mg/l	Static test	Chlorella pyrenoidosa	OECD 201
ethanol 64-17-5 / 200-578-6	EC50	275 mg/l	72 h	Chlorella vulgaris	OECD 201
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	EC50	> 1 -< 10 mg/l	72 h	Scenedesmus subspicatus	-
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	EC50	>100 mg/l	96h	Scenedesmus subspicatus	OECD 201

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	EC50	>1.000 mg/l	48h	Daphnia magna
alcohols, C12-14, ethoxylated propoxylated 68439-51-0 /	EC50	> 1 - < 10 mg/l	24 h	Daphnia magna (Water flea)
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	EC50	>100 mg/l	48h	Daphnia magna
ethanol 64-17-5 / 200-578-6	EC50	> 10.000 mg/l	48 h	Daphnia magna

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	EC50	>1.000 mg/l	3h	Bacteria (activated sludge)	-
2-(2-butoxyethoxy)eth-	EC10	>1995 mg/l	0,5h	Activated sludge	OECD 209

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Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of expos- ure	Species	Method / Guideline
anol 112-34-5 / 203-961- 6					

12.2. Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

12.7. Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

Other

German Water Class

WGK2 - significantly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Waste code	Waste description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

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SECTION 14: Transport information

14.1. UN number

No dangerous goods in the sense of the transport regulations

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

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

Other

Not applicable

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SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: <5% non-ionic surfactants, anionic surfactants, contains pre-servation agents METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: not applicable

Substance restrictions according to Annex XVII: not applicable

Substances on the REACH candidate list (SVHC): not applicable

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision

Section 7. Handling and storage : Storage temperature

Rev. 1.2: General update without changes.

Abbreviations

ADN - European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

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ADR - The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE - Acute Toxicity Estimate
 BCF - Bioconcentration Factor
 CAS - Chemical Abstracts Service
 CE - Conformité Européenne (European conformity)
 CLP - Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 CSA - Chemical Safety Assessment
 CSR - Chemical Safety Report
 DMEL - Derived Minimal Effect Level
 DNEL - Derived No Effect Level
 EINECS - European Inventory of Existing Commercial chemical Substances
 ES - Exposure Scenario
 EUH statement - CLP-specific Hazard statement
 EuPCS - European Product Categorisation System
 EWC - European Waste Catalogue
 GHS - Globally Harmonized System of Classification and Labelling of Chemicals
 GWP - Global warming potential
 IARC - International Agency for Research on Cancer (IARC)
 IATA - International Air Transport Association
 IBC - Intermediate Bulk Container
 IMDG - International Maritime Dangerous Goods
 LogPow - logarithm of the octanol/water partition coefficient
 MARPOL - International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" - marine pollution)
 OECD - Organisation for Economic Co-operation and Development
 PBT - Persistent, Bioaccumulative and Toxic
 PNEC - Predicted No Effect Concentration
 RID - The Regulations concerning the International Carriage of Dangerous Goods by Rail
 RRN - REACH Registration Number
 SCL - A specific concentration limit
 STOT-RE - Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE - Specific Target Organ Toxicity - Single Exposure
 SVHC - Substances of Very High Concern
 TWA - Time weighted average
 UN - United Nations
 UVBC - Unknown or variable composition, complex reaction products or of biological materials
 VOC - Volatile Organic Compound
 vPvB - Very Persistent and Very Bioaccumulative

References to key literature and data sources

REACH registration dossiers
 ECHA C&L - Inventory
 Safety data sheets from raw material suppliers

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Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:
Health hazards: calculation method

Phrase meaning

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3

Flam. Liq. 2 - Flammable liquids, hazard category 2

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Additional information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Manufacturer's notes

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.