

According to Regulation (EC) No 1907/2006

Purina

Version number: 5.2
Issued: 2022-12-12
Replaces SDS: 2022-07-14



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

1.1. Product identifier

Trade name

Purina

***UFI code**

8UUUV-9GVE-TF1V-87Y9

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

Relevant identified uses

Fat Solvent 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

Street address

Dieselstraße 10

32120 Hiddenhausen

Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

Contact person

Regulatory Affairs

Email address

info@kleen-purgatis.de

1.4. Emergency telephone number

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

Available outside office hours

Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Skin corrosion, hazard category 1A

Serious eye damage, hazard category 1

Hazard statements

H314, H318

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER/doctor.

More information

Hazard components for labeling:

sodium hydroxide

potassium hydroxide

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.

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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	Note
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 01-2119475104-44-xxxx 603-096-00-8	10 - 20%	Eye Irrit. 2	H319 - -	-
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37-xxxx -	1 - 5%	Eye Irrit. 2	H319 - -	-
alcohols, C12-14, ethoxylated	68439-50-9 - 01-2119487984-16-xxxx -	1 - 5%	Acute Tox. 4 - oral, Eye Dam. 1, Aquatic Chronic 3	H302, H318, H412 - -	-
potassium hydroxide	1310-58-3 215-181-3 01-2119487136-33-xxxx 019-002-00-8	1 - <2.5%	Acute Tox. 4 - oral, Skin Corr. 1A	H302, H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;
sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27-xxxx 011-002-00-6	1 - <2.5%	Skin Corr. 1A	H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;

Substance additional information

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.

Inhalation

Take the victim into fresh air. If symptoms persist, call a physician.

Skin contact

Remove contaminated clothing and shoes. In case of contact, immediately flush skin with plenty of water. If symptoms persist, call a physician.

Eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Call a physician immediately.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Get medical attention immediately.

Information for doctors

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

Inhalation

Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.

Skin contact

Causes severe skin burns. blistering

Eye contact

Liquid causes severe inflammation of conjunctiva and may cause severe damage of the cornea.

Ingestion

Ingestion of aqueous solution causes gastrointestinal burns.

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

Treat symptomatically. 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.

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Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Corrosive.

Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

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

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

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

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

Ensure adequate ventilation, especially in confined areas.

General hygiene

Wash hands after handling.

When using, do not eat, drink or smoke.

The usual precautionary measures when handling chemicals must be observed.

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7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep away from food, drink and animal feeding stuffs.

Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 8B (non-flammable, corrosive hazardous substances)

Store in original container.

Unsuitable materials for containers aluminium

Storage temperature: 10°C to 40°C

7.3. Specific end use(s)

GISCODE: GG90

See section 1.2: Fat Solvent

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
potassium hydroxide (1310-58-3/215-181-3)	DNEL	Chronic (long term) Inhalation	1 mg/m ³	Workers	Local
sodium hydroxide (1310-73-2/215-185-5)	DNEL	Chronic (long term) Inhalation	1 mg/m ³	Workers	Local
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Dermal	136.25 mg/kg	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Inhalation	26.9 mg/m ³	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Dermal	0.096 mg/cm ²	Workers	Local
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Oral	3.8 mg/kg	Consumers	Systemic

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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
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

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Freshwater	0.23 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Marine water	0.023 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sewage Treatment Plant	100 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sediment (freshwater)	0.862 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Soil	0.037 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

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Eye / face protection

Safety glasses with side-shields conforming to EN166

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Hand protection

Chemical-resistant protective gloves (EN 374)

Suitable material: Butyl (butyl rubber) or NBR (nitrile rubber), category III according to EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

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

Not applicable.

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Yellow

Odour

Fresh scent

Odour threshold

Not applicable.

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 applicable.

Lower and upper explosion limit

The product / mixture has no explosive properties.

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Flash point

> 65 °C

Auto-ignition temperature

Not applicable.

Decomposition temperature

Not applicable

pH

13.5

Method

pH concentrate

Kinematic viscosity

Not determined for the mixture.

Viscosity, dynamic

Not determined for the mixture.

Solubility

Not determined for the mixture.

Water solubility

Miscible

Partition coefficient n-octanol/water

Not determined for the mixture.

Vapour pressure

Not determined for the mixture.

Density and/or relative density

1.05 g/cm³

Relative vapour density

Not applicable.

Evaporation Rate

Not determined for the mixture.

Explosive properties

Not explosive

Oxidising properties

The product / mixture has no oxidizing properties.

VOC %

10,12 %

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Particle characteristics

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

9.2. Other information

No data available

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 under normal use.

10.4. Conditions to avoid

Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

10.5. Incompatible materials

Strong acids, light metals.

10.6. Hazardous decomposition products

For information on combustion products, see Section 5.

Hazardous decomposition products formed under fire conditions.

SECTION 11: Toxicological information

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

Acute toxicity

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

Toxicology data for the components.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
potassium hydroxide 1310-58-3 / 215-181-3	LD50	333-388 mg/kg	Oral	-	rat	-	ECHA
sodium hydroxide 1310-73-2 / 215-185-5	LD50	325 mg/kg bw	Oral	-	rat	-	ECHA

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	LD50	> 5.000 mg/kg	Oral	-	rat	OECD 401	-
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	LC50	> 5 mg/l	Inhalation	232 min.	rat	-	-
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	LD50	> 2.000 mg/kg	Dermal	-	rabbit	-	-
Alcohols, C12-14, ethoxylated 68439-50-9 /	LD50	<2.000 mg/kg	Oral	-	rat	-	-
2-(2-butoxy-ethoxy)ethanol 112-34-5 / 203-961-6	LD50	2.410 mg/kg	Oral	-	mouse	OECD 401	-
2-(2-butoxy-ethoxy)ethanol 112-34-5 / 203-961-6	LD50	2.764 mg/kg	Skin contact	-	rabbit	OECD 402	-

Skin corrosion/irritation

Causes severe skin burns.

Serious eye damage/irritation

Causes severe eye burns.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

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Repeated dose toxicity

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.

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

Toxicity

No data is available on the product itself.
 Toxicology data for the components.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	LC50	>100 mg/l	96 h	Oncorhynchus mykiss	Static test	literature value
2-(2-butoxy-ethoxy)ethanol 112-34-5 / 203-961-6	LC50	1.300 mg/l	96h	Lepomis macrochirus	OECD 203	-
2-(2-butoxy-ethoxy)ethanol 112-34-5 / 203-961-6	LC50	>100 mg/l	-	Leuciscus idus	-	-

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Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	EC50	>100mg/l	96 h	Pseudokirchnerie lla subcapitata	Static test	literature value
2-(2-butoxy-ethoxy)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	Method / Guideline	Remark
sodium p-cumene-sulphonate 15763-76-5 / 239-854-6	EC50	>100 mg/l	48 h	Daphnia magna	Static test	literature value
2-(2-butoxy-ethoxy)ethanol 112-34-5 / 203-961-6	EC50	>100 mg/l	48h	Daphnia magna	-	-
sodium hydroxide 1310-73-2 / 215-185-5	EC50	40,4 mg/l	48 h	Ceriodaphnia dubia	-	ECHA

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC10	>1.000 mg/l	3 h	Activated sludge	OECD 209
2-(2-butoxyethoxy) ethanol 112-34-5 / 203-961-6	EC10	>1995 mg/l	0,5h	Activated sludge	OECD 209

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12.2. Persistence and degradability

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

Bioaccumulative potential

No information is available for this item.

12.4. Mobility in soil

Mobility

No information is available for this item.

12.5. 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

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.

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. Do not re-use empty containers.

Contaminated packaging : Dispose of as unused product.

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

1814

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

IMDG proper shipping name

POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

Label

ADR/RID/ADN



8

ADR / RID Class

8

ADR / RID Classification code

C5

ADR / RID hazard identification number

80

IMDG Class

8

IATA Class

8

ADN Class

8

ADN Class Code

C5

14.4. Packing group

II

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14.5. Environmental hazards

Environmental hazards

No

IMDG Marine Pollutant

No

14.6. Special precautions for user

IMDG EmS

F-A, S-B

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other

Additional information ADR-RID

LQ: 1 L

EQ: E2

Transport category (tunnel restriction code): 2 (E)

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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% phosphonates, non-ionic surfactants. Contains perfumes.

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

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

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

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

Adaptation to the amending regulation (EU) 2020/878

Section 3. Composition/information on ingredients: Classification 2-butoxyethanol

Adjustment of the product formulation (see section 3).

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Abbreviations

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ADR - Accord relatif au transport international des marchandises Dangereuses par Route
 CAS - Chemical Abstract Service
 CLP - Classification, Labelling and Packaging
 DMEL - Derived Minimum Effect Level
 DNEL - Derived no effect level
 EC50 - Half maximal effective concentration 50%
 GHS - Globally Harmonised System
 IATA - International Air Transport Association
 IMDG - International Maritime Dangerous Goods
 LC50 - Lethal concentration 50%
 LD50 - Lethal dosis 50 %
 MARPOL - International Convention for the Prevention of Pollution from Ships
 PBT - Persistent, bioaccumulative and toxic substance
 PEC - Predicted Environmental Concentration
 PNEC - predicted no effect concentration
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses
 SVHC - Substance of very high concern
 vPvB - Very persistent, very bioaccumulative substance

References to key literature and data sources

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

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

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
 Skin Corr. 1A - Skin corrosion, hazard category 1A
 Eye Irrit. 2 - Eye irritation, hazard category 2
 Eye Dam. 1 - Serious eye damage, hazard category 1
 Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

Other

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.

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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.