

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



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

1.1. Product identifier

Trade name

LAVO UNIVERSAL

UFI code

48U2-P0JK-600H-U48D

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

Relevant identified uses

Concentrated powder detergent 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

BUDICH INTERNATIONAL GmbH

Address

Dieselstraße 10

32120 Hiddenhausen

Germany

Telephone

+49 (0) 5223 9970-0

Email

info@budich.de

Web site

www.budichinternational.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

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Skin irritation, hazard category 2

Eye irritation, hazard category 2

Hazard statements

H315, H319

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/eye protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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

P337 + P313 If eye irritation persists: 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.

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
 Issued: 2025-10-24

**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
sodium carbonate	497-19-8 207-838-8 01-2119485498-19-xxxx 011-005-00-2	15 - 25%	Eye Irrit. 2	H319 - -		
sodium percarbonate	15630-89-4 239-707-6 01-2119457268-30-xxxx -	3 - 7%	Ox. Sol. 3, Acute Tox. 4 - oral, Eye Dam. 1	H272, H302, H318 - -	Eye Dam. 1, H318: C ≥ 25% Eye Irrit. 2, H319: 7.5% ≤ C < 25% ATE [Oral]: 1034 mg/kg bw	-
silicic acid, sodium salt	1344-09-8 215-687-4 01-2119448725-31-xxxx -	3 - 7%	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3 - resp. tract irrit.	H315, H319, H335 - -		-
benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3 270-115-0 01-2119489428-22-xxxx -	1 - 5%	Acute Tox. 4 - oral, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3	H302, H315, H318, H412 - -	ATE [Oral]: 1020 mg/kg bw	-
alcohols, C12-15-branched and linear, ethoxylated (> 5- < 15 moles EO)	106232-83-1 932-186-2 - -	1 - 3%	Acute Tox. 4 - oral, Eye Dam. 1, Aquatic Chronic 3	H302, H318, H412 - -	ATE [Oral]: 2000 mg/kg bw ATE [Dermal]: 2000 mg/kg bw	-

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.

Inhalation

Take the victim into fresh air. May cause respiratory irritation. Call a physician if irritation persists.

Skin contact

Wash off with soap and water. In the case of skin irritation or allergic reactions see a physician.

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



Eye contact

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

Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician.

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

May cause throat irritation.

Skin contact

Skin irritation, redness.

Eye contact

Eye irritation, cloudy / blurred field of vision, excessive lachrymation.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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.

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

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.

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



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. Avoid dust formation. Remove all sources of ignition.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment. Rinse with water.

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.

Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place accessible by authorized persons only.

Keep in a dry, cool place.

Storage class according to TRGS 510: 13 (non-combustible solids)

Store in original container.

Storage temperature +5 - + 35 °C

7.3. Specific end use(s)

PC35 - Washing and cleaning products (including solvent based products)

See section 1.2: Concentrated powder detergent

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
 Issued: 2025-10-24

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL**

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
sodium carbonate (497-19-8/207-838-8)	DNEL	Chronic (long term) Inhalation	10 mg/m ³	Workers	Local
sodium percarbonate (15630-89-4/239-707-6)	DNEL	Chronic (long term) Inhalation	5 mg/m ³	Workers	Local
sodium percarbonate (15630-89-4/239-707-6)	DNEL	Chronic (long term) Dermal	12.8 mg/cm ²	Workers	Local
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3/270-115-0)	DNEL	Chronic (long term) Dermal	170 mg/kg	Workers	Systemic
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3/270-115-0)	DNEL	Chronic (long term) Inhalation	12 mg/kg	Workers	Systemic
Silicic acid, sodium salt (1344-09-8/215-687-4)	DNEL	Chronic (long term) Inhalation	5.61 mg/m ³	Workers	Systemic
Silicic acid, sodium salt (1344-09-8/215-687-4)	DNEL	Chronic (long term) Dermal	1.59 mg/kg bw/day	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sodium percarbonate (15630-89-4/239-707-6)	PNEC	Freshwater	0.035 mg/l
sodium percarbonate (15630-89-4/239-707-6)	PNEC	Sewage Treatment Plant	16.24 mg/l
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3/270-115-0)	PNEC	Sediment (freshwater)	8.1 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3/270-115-0)	PNEC	Sewage Treatment Plant	3.43 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3/270-115-0)	PNEC	Freshwater	0.268 mg/kg
Silicic acid, sodium salt (1344-09-8/215-687-4)	PNEC	Freshwater	7.5 mg/l
Silicic acid, sodium salt (1344-09-8/215-687-4)	PNEC	Sewage Treatment Plant	348 mg/l

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



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)

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

Powder

Colour

White with blue speckles

Odour

perfumed

Melting point / freezing point

Not applicable.

Boiling point or initial boiling point and boiling range

No data available

Flammability

Not applicable.

Lower and upper explosion limit

The product / mixture has no explosive properties.

Flash point

does not ignite

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



Auto-ignition temperature

does not ignite

Decomposition temperature

does not ignite

pH

10.7

Method

1 % aqueous solution

Kinematic viscosity

No information available

Solubility

Water soluble

Water solubility

completely soluble

Partition coefficient n-octanol/water

No data available

Vapour pressure

No data available

Density and/or relative density

800 g/cm³

Method

Bulk density

Relative density

No information available

Relative vapour density

No data available

Evaporation Rate

not applicable

Explosive properties

The product / mixture has no explosive properties.

Oxidising properties

The product / mixture has no oxidizing properties.

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

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use.

10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Protect from moisture. Protect from frost, heat and sunlight.

10.5. Incompatible materials

None known

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

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	Remarks
sodium car- bonate 497-19-8 / 207-838-8	LD50	2.800 mg/kg	Oral	-	rat	-	-
sodium car- bonate 497-19-8 / 207-838-8	LD50	>2.000mg/kg	Dermal	-	rabbit	-	-
sodium car- bonate 497-19-8 / 207-838-8	LC50	2.300 mg/m ³	Inhalativ	2h	rat	-	-
sodium percarbonate 15630-89-4 / 239-707-6	LD50	1.034-2.000 mg/kg	Oral	-	rat	-	-

According to Regulation (EC) No 1907/2006

LAVO UNIVERSALVersion number: 1
Issued: 2025-10-24**KLEEN**
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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 percarbonate 15630-89-4 / 239-707-6	LD50	> 2000 mg/kg	Dermal	-	rabbit	-	-
Benzene-sulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3 / 270-115-0	LD50	~ 1020 mg/kg	Oral	-	rat	-	-
Silicic acid, sodium salt 1344-09-8 / 215-687-4	LD50	3400 mg/kg bw	Oral	-	rat	-	ECHA
Silicic acid, sodium salt 1344-09-8 / 215-687-4	LC50	> 2.06 g/m3	Inhalation	-	rat	-	ECHA
Silicic acid, sodium salt 1344-09-8 / 215-687-4	LD50	> 5000 mg/kg bw	Dermal	-	rat	-	ECHA
Alcohols, C12-15-branched and linear, ethoxylated 106232-83-1 / 932-186-2	LD50	> 300 - 2000 mg/kg	Oral	-	rat	Test result	-
Alcohols, C12-15-branched and linear, ethoxylated 106232-83-1 / 932-186-2	LD50	> 2000 mg/kg	Dermal	-	rabbit	-	-

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes skin irritation.

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



Respiratory or skin sensitisation

Causes serious eye irritation.

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.

Repeated dose 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 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

Acute toxicity

Toxicology data for the components.

Acute fish toxicity

Product / Sub-stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
sodium carbonate 497-19-8 / 207-838-8	LC50	300 mg/l	96h	Lepomis macrochirus	-
sodium percar- bonate 15630-89-4 / 239-707-6	LC50	70,7 mg/l	96 h	Pimephales promelas	-
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3 / 270-115-0	LC50	1,67 mg/l	96 h	Bluegill sunfish	-

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
 Issued: 2025-10-24



Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Alcohols, C12-15- branched and linear, ethoxylated (>5 - <15 moles EO) 106232-83-1 / 932-186-2	LC50	1 - 10 mg/l	96 h	Cyprinus carpio	OECD Test Guideline 203

Acute algae toxicity

Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3 / 270-115-0	EC50	29 mg/l	96 h	Pseudokirchneriella subcapitata	-
Alcohols, C12-15- branched and linear, ethoxylated (>5 - <15 moles EO) 106232-83-1 / 932-186-2	EC50	1 - 10 mg/l	72 h	Desmodesmus subspicatus	OECD Test Guideline 201

Acute crustacean toxicity

Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
sodium carbonate 497-19-8 / 207-838-8	EC50	200-227 mg/l	48h	Ceriodaphnia dubia	-
sodium percar- bonate 15630-89-4 / 239-707-6	EC50	4,9 mg/l	48 h	Daphnia magna	-
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3 / 270-115-0	EC50	2,9 mg/l	48 h	Daphnia magna	-

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



Product / Sub-stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Alcohols, C12-15- branched and linear, ethoxylated (>5 - <15 moles EO) 106232-83-1 / 932-186-2	EC50	1-10 mg/l	48 h	Daphnia magna	OECD Test Guideline 202
Alcohols, C12-15- branched and linear, ethoxylated (>5 - <15 moles EO) 106232-83-1 / 932-186-2	EC10	0,36 mg/l	-	Daphnia magna	OECD 211

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Species	Method / Guideline
Alcohols, C12-15- branched and linear, ethoxylated (>5 - <15 moles EO) 106232-83-1 / 932-186-2	EC50	140 mg/l	Bacteria (activated sludge)	literature value

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.

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



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

Waste disposal accordance with applicable local/regional/national/international regulations.

Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging / sheets: 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.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3. Transport hazard class(es)

Label

Not classified as dangerous in the meaning of transport regulations.

14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5. Environmental hazards

Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6. Special precautions for user

Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other

Not applicable

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: 5-15 % oxygen-based bleaching agents, zeolites,
< 5 % anionic surfactants, non-ionic surfactants, soap, contains optical brighteners, perfumes.

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 (EC) No. 1272/2008 (CLP)

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 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.

15.2. Chemical safety assessment

A chemical safety assessment was carried out for the following substances:

- sodium carbonate
- benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
- sodium percarbonate
- alcohols, C12-15- branched and linear, ethoxylated (>2.5 EO)

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



SECTION 16: Other information

Abbreviations

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

According to Regulation (EC) No 1907/2006

LAVO UNIVERSAL

Version number: 1
Issued: 2025-10-24



References to key literature and data sources

REACH registration dossiers

ECHA C&L - Inventory

in accordance with Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2020/878.

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]:

Skin Irrit. 2, H315: calculation method

Eye Irrit. 2, H319: The skin and/or eye classification of this product was derived using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9(3) and Article 9(4) of Regulation (EC) No 1272/2008.

Phrase meaning

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4

Eye Dam. 1 - Serious eye damage, hazard category 1

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

Ox. Sol. 3 - Oxidising solids, hazard category 3

STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

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.