

Safety Data Sheet

ULTRACARE HD CLEANER

Safety Data Sheet dated 18/09/2026 version 10



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

1.1. Product identifier

Mixture identification:

Trade name: ULTRACARE HD CLEANER

Trade code: 9011508

UFI: W9E3-J00Y-U00E-KQF3

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

Recommended use: Cleaner

Uses advised against: Not available

1.3. Details of the supplier of the safety data sheet

Company: MAPEI U.K. Ltd - Mapei House Steel Park Road

Halesowen - West Midlands B62 8HD

phone: +44(0)121 508 6970 - fax: +44(0)121 5086 960 - www.mapei.co.uk (office hour 8:30-17:30)

Responsable: sicurezza@mapei.it

1.4. Emergency telephone number

call NHS 111 or a doctor/OHES Environmental Ltd +44(0)333 333 9962

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Irrit. 2 Causes skin irritation.

Eye Dam. 1 Causes serious eye damage.

Skin Sens. 1B May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

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

Hazard pictograms and Signal Word



Danger

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/clothing and eye/face 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.

P310 Immediately call a POISON CENTER.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

Special Provisions:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -

isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Contains

benzyl alcohol

2-aminoethanol

sodium hydroxide; caustic soda

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: ULTRACARE HD CLEANER

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification
$\geq 15 - < 20 \%$	benzyl alcohol	CAS:100-51-6 EC:202-859-9 Index:603-057-00-5	Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317 Acute Toxicity Estimate: ATE - Oral: 1200 mg/kg bw
$\geq 1 - < 2.5 \%$	2-aminoethanol	CAS:141-43-5 EC:205-483-3 Index:603-030-00-8	Skin Corr. 1B, H314; STOT SE 3, H335; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Aquatic Chronic 3, H412 Specific Concentration Limits: $5\% \leq C < 100\%$: STOT SE 3 H335
$\geq 1 - < 2.5 \%$	sodium hydroxide; caustic soda	CAS:1310-73-2 EC:215-185-5 Index:011-002-00-6	Skin Corr. 1A, H314; Met. Corr. 1, H290 Specific Concentration Limits: $5\% \leq C < 100\%$: Skin Corr. 1A H314 $2\% \leq C < 5\%$: Skin Corr. 1B H314 $0,5\% \leq C < 2\%$: Skin Irrit. 2 H315 $0,5\% \leq C < 2\%$: Eye Irrit. 2 H319
$\geq 1 - < 2.5 \%$	Alcohols, C12-14, ethoxylated propoxylated	CAS:68439-51-0 EC:614-484-1	Aquatic Chronic 3, H412
$\geq 0.6 - < 1 \%$	1-methoxy-2-propanol	CAS:107-98-2 EC:203-539-1 Index:603-064-00-3	Flam. Liq. 3, H226; STOT SE 3, H336
$\geq 0.016 - < 0.02 \%$	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Acute Tox. 2, H330; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302, M-Chronic:1, M-Acute:1 Specific Concentration Limits: $C \geq 0,036\%$: Skin Sens. 1A H317 Acute Toxicity Estimate: ATE - Oral: 450mg/kg bw ATE - Inhalation (Dust/mist): 0.21mg/l
$\geq 0.001 - < 0.0015 \%$	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS:55965-84-9 EC:611-341-5 Index:613-167-00-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 3, H301; Skin Corr. 1C, H314; Skin Sens. 1A, H317; Acute Tox. 2, H310; Acute Tox. 2, H330; Eye Dam. 1, H318, M-Chronic:100, M-Acute:100,

Specific Concentration Limits:
C ≥ 0,6%: Skin Corr. 1C H314
0,06% ≤ C < 0,6%: Skin Irrit. 2 H315
C ≥ 0,6%: Eye Dam. 1 H318
0,06% ≤ C < 0,6%: Eye Irrit. 2 H319
C ≥ 0,0015%: Skin Sens. 1A H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

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

In case of eyes contact:

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

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

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

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

benzyl alcohol

CAS: 100-51-6	DFG	GERMANY	Short Term: Ceiling - 44 mg/m ³ - 10 ppm
	National	BULGARIA	Long Term: 5 mg/m ³
	National	CZECH REPUBLIC	Long Term: 40 mg/m ³
			Short Term: Ceiling - 80 mg/m ³
	National	GERMANY	Long Term: 22 mg/m ³ - 5 ppm
	National	FINLAND	Long Term: 45 mg/m ³ - 10 ppm
	National	LITHUANIA	Long Term: 5 mg/m ³
	National	LATVIA	Long Term: 5 mg/m ³
	National	SLOVENIA	Long Term: 22 mg/m ³ - 5 ppm; Short Term: 44 mg/m ³ - 10 ppm
	SUVA	SWITZERLAND	Long Term: 22 mg/m ³ - 5 ppm Notes: R, SSc
	NDS	POLAND	Long Term: 240 mg/m ³

2-aminoethanol

CAS: 141-43-5	ACGIH	Long Term: 3 ppm; Short Term: 6 ppm Notes: Eye and skin irr
		Long Term: 3 ppm; Short Term: 6 ppm Notes: eye and skin irritation
		Long Term: 3 ppm; Short Term: 6 ppm Notes: eye and skin irritation
	EU	Long Term: 2,5 mg/m ³ - 1 ppm; Short Term: 7,6 mg/m ³ - 3 ppm Notes: Skin

Malaysi a OEL	MALAYSIA	Long Term: 7,5 mg/m3 - 3 ppm
CHE	SWITZERLAN D	Short Term: 10 mg/m3 - 4 ppm
DFG	GERMANY	Short Term: Ceiling - 0,51 mg/m3 - 0,2 ppm
National	BELGIUM	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	BULGARIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	CZECH REPUBLIC	Long Term: 2,5 mg/m3
		Short Term: Ceiling - 7,5 mg/m3
National	GERMANY	Long Term: 0,5 mg/m3 - 0,2 ppm
National	DENMARK	Long Term: 2,5 mg/m3 - 1 ppm
National	SPAIN	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,5 mg/m3 - 3 ppm
National	ESTONIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	FINLAND	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm Notes: FINLAND, hud
		Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	FRANCE	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	UNITED KINGDOM	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	GREECE	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	CROATIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	HUNGARY	Long Term: 2,5 mg/m3; Short Term: 7,6 mg/m3
National	LITHUANIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	LATVIA	Long Term: 0,5 mg/m3 - 0,2 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	NORWAY	Long Term: 2,5 mg/m3 - 1 ppm Notes: H E
		Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 5 mg/m3 - 2 ppm
National	PORTUGAL	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	ROMANIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	SLOVAKIA	Short Term: Ceiling - 7,6 mg/m3
		Long Term: 2,5 mg/m3 - 1 ppm
National	SLOVENIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
National	SWEDEN	Long Term: 8 mg/m3 - 3 ppm; Short Term: 15 mg/m3 - 6 ppm Notes: SWEDEN, Short-term value, 15 minutes average value
		Long Term: 2,5 mg/m3 - 1 ppm
NDS		Long Term: 2,5 mg/m3
NDS	NETHERLAND S	Long Term: 2,5 mg/m3; Short Term: 7,6 mg/m3
NDS	POLAND	Long Term: 2,5 mg/m3
NDSch		Long Term: 7,5 mg/m3
NDSch	POLAND	Short Term: 7,5 mg/m3
TUR	TURKEY	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm

sodium hydroxide; caustic soda

CAS: 1310-73-2	ACGIH	Short Term: Ceiling - 2 mg/m3 Notes: URT, eye, and skin irr
		Short Term: Ceiling - 2 mg/m3 Notes: eye, skin and upper respiratory tract irritation
Malaysi a OEL	MALAYSIA	Short Term: Ceiling - 2 mg/m3
CHE	SWITZERLAN D	Short Term: 2 mg/m3
National	BULGARIA	Long Term: 2 mg/m3

National CZECH REPUBLIC	Long Term: 1 mg/m3
	Short Term: Ceiling - 2 mg/m3
National DENMARK	Short Term: Ceiling - 2 mg/m3
National SPAIN	Short Term: 2 mg/m3
National ESTONIA	Long Term: 1 mg/m3; Short Term: 2 mg/m3
National FINLAND	Short Term: 2 mg/m3 Notes: FINLAND, takvärde
	Short Term: Ceiling - 2 mg/m3
National FRANCE	Long Term: 2 mg/m3
National UNITED KINGDOM	Short Term: 2 mg/m3
National GREECE	Long Term: 2 mg/m3; Short Term: 2 mg/m3
National CROATIA	Short Term: 2 mg/m3
National HUNGARY	Long Term: 2 mg/m3; Short Term: 2 mg/m3
National LITHUANIA	Short Term: Ceiling - 2 mg/m3
National LATVIA	Long Term: 0,5 mg/m3
National NORWAY	Long Term: 2 mg/m3 Notes: NORWAY, T
	Long Term: 2 mg/m3; Short Term: 2 mg/m3
	Short Term: Ceiling - 2 mg/m3
National PORTUGAL	Short Term: Ceiling - 2 mg/m3
National SLOVAKIA	Long Term: 2 mg/m3
National SLOVENIA	Long Term: 2 mg/m3; Short Term: 2 mg/m3
National SWEDEN	Long Term: 1 mg/m3; Short Term: Ceiling - 2 mg/m3 Notes: SWEDEN, Ceiling limit value
	Long Term: 1 mg/m3
NDS	Long Term: 0,5 mg/m3
NDS POLAND	Long Term: 0,5 mg/m3
NDSCh	Long Term: 1 mg/m3
NDSCh POLAND	Short Term: 1 mg/m3

1-methoxy-2-propanol

CAS: 107-98-2

ACGIH	Long Term: 50 ppm; Short Term: 100 ppm Notes: A4 - Eye and URT irr
	Long Term: 50 ppm; Short Term: 100 ppm Notes: A4 - Not Classifiable as a Human Carcinogen; eye and upper respiratory tract irritation
EU	Long Term: 375 mg/m3 - 100 ppm; Short Term: 563 mg/m3 - 150 ppm Notes: Skin
Malaysi a OEL	Long Term: 369 mg/m3 - 100 ppm
CHE D	Short Term: 720 mg/m3 - 200 ppm
DFG GERMANY	Short Term: Ceiling - 740 mg/m3 - 200 ppm
National BELGIUM	Long Term: 375 mg/m3 - 100 ppm; Short Term: 568 mg/m3 - 150 ppm Long Term: 184 mg/m3 - 50 ppm; Short Term: 369 mg/m3 - 100 ppm
National BULGARIA	Long Term: 375 mg/m3 - 100 ppm; Short Term: 568 mg/m3 - 150 ppm
National CZECH REPUBLIC	Long Term: 270 mg/m3
	Short Term: Ceiling - 550 mg/m3
National GERMANY	Long Term: 370 mg/m3 - 100 ppm
National DENMARK	Long Term: 185 mg/m3 - 50 ppm
National SPAIN	Long Term: 375 mg/m3 - 100 ppm; Short Term: 568 mg/m3 - 150 ppm
National ESTONIA	Long Term: 375 mg/m3 - 100 ppm; Short Term: 568 mg/m3 - 150 ppm

National FINLAND	Long Term: 370 mg/m ³ - 100 ppm; Short Term: 560 mg/m ³ - 150 ppm Notes: FINLAND, hud
	Long Term: 370 mg/m ³ - 100 ppm; Short Term: 560 mg/m ³ - 150 ppm
National FRANCE	Long Term: 188 mg/m ³ - 50 ppm; Short Term: 375 mg/m ³ - 100 ppm
National UNITED KINGDOM	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 560 mg/m ³ - 150 ppm
National GREECE	Long Term: 360 mg/m ³ - 100 ppm; Short Term: 1080 mg/m ³ - 300 ppm
National CROATIA	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm
National HUNGARY	Long Term: 375 mg/m ³ ; Short Term: 568 mg/m ³
National LITHUANIA	Long Term: 190 mg/m ³ - 50 ppm; Short Term: 300 mg/m ³ - 75 ppm
National LATVIA	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm
National NORWAY	Long Term: 180 mg/m ³ - 50 ppm Notes: NORWAY, H
	Long Term: 185 mg/m ³ - 50 ppm; Short Term: 370 mg/m ³ - 100 ppm
	Long Term: 180 mg/m ³ - 50 ppm; Short Term: 225 mg/m ³ - 75 ppm
National PORTUGAL	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm
National ROMANIA	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm
National SLOVAKIA	Short Term: Ceiling - 568 mg/m ³ Long Term: 375 mg/m ³ - 100 ppm
National SLOVENIA	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 562,5 mg/m ³ - 150 ppm Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm
National SWEDEN	Long Term: 190 mg/m ³ - 50 ppm; Short Term: 300 mg/m ³ - 75 ppm Notes: SWEDEN, Short-term value, 15 minutes average value
	Long Term: 190 mg/m ³ - 50 ppm
SUVA	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm
NDS	Long Term: 180 mg/m ³
NDS NETHERLANDS	Long Term: 375 mg/m ³ ; Short Term: 563 mg/m ³
NDS POLAND	Long Term: 180 mg/m ³
NDSch	Long Term: 360 mg/m ³
NDSch POLAND	Short Term: 360 mg/m ³
TUR TURKEY	Long Term: 375 mg/m ³ - 100 ppm; Short Term: 568 mg/m ³ - 150 ppm

Predicted No Effect Concentration (PNEC) values

2-aminoethanol

CAS: 141-43-5 Exposure Route: Fresh Water; PNEC Limit: 0,085 mg/l
Exposure Route: Marine water; PNEC Limit: 0,0085 mg/l
Exposure Route: Intermittent release; PNEC Limit: 0,025 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 0,425 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 0,0425 mg/kg
Exposure Route: Soil; PNEC Limit: 0,035 mg/kg
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l

1-methoxy-2-propanol

CAS: 107-98-2 Exposure Route: Fresh Water; PNEC Limit: 10 mg/l
Exposure Route: Intermittent release; PNEC Limit: 100 mg/l
Exposure Route: Marine water; PNEC Limit: 1 mg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 52,3 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 5,2 mg/kg
Exposure Route: Soil; PNEC Limit: 4,59 mg/kg

Derived No Effect Level (DNEL) values

1-methoxy-2-propanol

CAS: 107-98-2 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 369 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Professional: 553,5 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 553,5 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 183 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Consumer: 43,9 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Consumer: 78 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 33 mg/m³

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Gloves characteristics:

Appropriate gloves thickness and breakthrough time may differ depending on the specific use conditions. Make sure to use protective gloves adequate to the conditions of use.

CEN standard(s) information:

Suitable protective gloves must comply with the appropriate EN 374 standard(s)

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to appropriate EN standards, like EN 136, 140, 143, 149, 14387 for information on selection and use of appropriate respiratory protection equipment.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	transparent
Odour:	Characteristic
Odour threshold:	No data available
pH:	11.00
Kinematic viscosity:	$\leq 14 \text{ mm}^2/\text{s}$ (40 °C)
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flash point:	100 °C (212 °F)
Lower and upper explosion limit:	No data available
Relative vapour density:	No data available

Vapour pressure:	No data available
Density and/or relative density:	1.00 g/cm ³
Solubility in water:	yes
Solubility in oil:	soluble
Partition coefficient n-octanol/water (log value):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability:	No data available
Volatile Organic compounds - VOCs =	No data available

Particle characteristics:

Particle size:	No data available
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9.2. Other information

Evaporation rate:	No data available
Viscosity:	15.00 mPA-s
No other relevant information	

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Irrit. 2(H315)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1B(H317)
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

benzyl alcohol		
CAS: 100-51-6	a) acute toxicity	ATE - Oral: 1200 mg/kg bw LD50 Oral Rat = 1200, mg/kg
2-aminoethanol		
CAS: 141-43-5	a) acute toxicity	LD50 Oral Rat 2100 mg/kg LD50 Skin Rabbit 1000 mg/kg
sodium hydroxide; caustic soda		
CAS: 1310-73-2	a) acute toxicity	LD50 Oral Rat 2000 mg/kg LD50 Skin Rabbit 1350 mg/kg LD50 Oral Rabbit 500 mg/kg LD50 Skin Rabbit = 1350 mg/kg LD50 Oral Rat = 325 mg/kg LD50 Skin Rabbit = 1350 mg/kg
Alcohols, C12-14, ethoxylated propoxylated		
CAS: 68439-51-0	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg LD50 Skin Rat = 5000 mg/kg
1-methoxy-2-propanol		
CAS: 107-98-2	a) acute toxicity	LD50 Oral Rat = 5300 mg/kg LD50 Skin Rabbit = 13000 mg/kg LC50 Inhalation Rat = 28,8 mg/l 4h LD50 Skin Rabbit = 13 g/kg LC50 Inhalation Rat > 7559 ppm 6h LD50 Oral Rat = 5000 mg/kg
	h) STOT-single exposure	NOAEL Oral Rat = 919 mg/kg NOAEL Inhalation Rat = 3,7 mg/kg NOAEL Skin Rabbit > 1000 mg/kg
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one		
CAS: 2634-33-5	a) acute toxicity	ATE - Oral: 450 mg/kg bw ATE - Inhalation (Dust/mist): 0.21 mg/l LD50 Oral Rat = 670, mg/kg
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)		
CAS: 55965-84-9	a) acute toxicity	LC50 Inhalation Rat = 2,36 mg/l 4h LD50 Skin Rabbit = 660, mg/kg LD50 Oral Rat = 53, mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

List of Eco-Toxicological properties of the components

benzyl alcohol		
CAS: 100-51-6	a) Aquatic acute toxicity:	LC50 Fish Pimephales promelas = 460 mg/L 96h EPA
2-aminoethanol		
CAS: 141-43-5	a) Aquatic acute toxicity:	EC50 Daphnia = 65 mg/L 48
	a) Aquatic acute toxicity:	EC50 Algae = 22 mg/L 72

- a) Aquatic acute toxicity: LC50 Fish = 349 mg/L 96
- a) Aquatic acute toxicity: LC50 Fish Pimephales promelas = 227 mg/L 96h IUCLID
- a) Aquatic acute toxicity: LC50 Fish Brachydanio rerio = 3684 mg/L 96h IUCLID
- a) Aquatic acute toxicity: LC50 Fish Lepomis macrochirus 300 mg/L 96h EPA
- a) Aquatic acute toxicity: LC50 Fish Oncorhynchus mykiss 114 mg/L 96h EPA
- a) Aquatic acute toxicity: EC50 Algae Desmodesmus subspicatus = 15 mg/L 72h IUCLID
- b) Aquatic chronic toxicity: NOEC Daphnia = 0,85 mg/L

sodium hydroxide; caustic soda

- CAS: 1310-73-2
- a) Aquatic acute toxicity: EC50 Daphnia = 76 mg/L 24
 - a) Aquatic acute toxicity: EC50 Daphnia = 40,38 mg/L 48
 - a) Aquatic acute toxicity: LC50 Fish = 99 mg/L 48
 - a) Aquatic acute toxicity: LC50 Fish = 45,5 mg/L 96
 - b) Aquatic chronic toxicity: NOEC Fish = 56 mg/L 96
 - a) Aquatic acute toxicity: LC50 Fish Oncorhynchus mykiss = 45,4 mg/L 96h IUCLID

1-methoxy-2-propanol

- CAS: 107-98-2
- a) Aquatic acute toxicity: LC50 Fish = 5000 mg/L 96
 - a) Aquatic acute toxicity: EC50 Daphnia = 23300 mg/L 48
 - a) Aquatic acute toxicity: EC50 Algae > 1000 mg/L 96
 - a) Aquatic acute toxicity: LC50 Bacteria > 1000 mg/L 3
 - a) Aquatic acute toxicity: LC50 Fish Pimephales promelas = 20,8 g/l 96h IUCLID
 - a) Aquatic acute toxicity: EC50 Daphnia Daphnia magna = 23300 mg/L 48h IUCLID

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

- CAS: 2634-33-5
- a) Aquatic acute toxicity: LC50 Fish = 2,15 mg/L
 - b) Aquatic chronic toxicity: NOEC Algae = 0,0403 mg/L 72h
 - b) Aquatic chronic toxicity: EC50 Algae = 0,11 mg/L 72h
 - b) Aquatic chronic toxicity: EC10 Algae = 0,04 mg/L 72h
 - b) Aquatic chronic toxicity: EC50 Daphnia = 3,27 mg/L 48h
 - NOEC Daphnia = 1,2 mg/L 21d

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

- CAS: 55965-84-9
- a) Aquatic acute toxicity: EC50 Daphnia = 0,12 mg/L 48
 - a) Aquatic acute toxicity: LC50 Fish = 0,22 mg/L 96
 - a) Aquatic acute toxicity: EC50 Algae = 0,0052 mg/L 48h
 - b) Aquatic chronic toxicity: NOEC Algae = 0,00049 mg/L
 - b) Aquatic chronic toxicity: NOEC Fish = 0,098 mg/L - 28 d
 - b) Aquatic chronic toxicity: NOEC Daphnia = 0,004 mg/L - 21 d

12.2. Persistence and degradability

2-aminoethanol

CAS: 141-43-5 Readily biodegradable Duration: 21d
Notes: >90%

sodium hydroxide; caustic soda

CAS: 1310-73-2 Readily biodegradable

Alcohols, C12-14, ethoxylated propoxylated

CAS: 68439-51-0 Readily biodegradable Duration: 28 d
Notes: >60% OECD

1-methoxy-2-propanol

CAS: 107-98-2 Readily biodegradable Duration: 28 d
Notes: 86% - OCSE N.301 E

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

CAS: 2634-33-5 Non-readily biodegradable Notes: OECD 301 C (63 d < 1%)

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessmentNo PBT or vPvB substances present in concentration $\geq 0.1\%$ No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$ **12.6. Endocrine disrupting properties**No endocrine disruptor substances present in concentration $\geq 0.1\%$ **12.7. Other adverse effects**

N.A.

Not available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Hazardous waste: Yes

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

Not Applicable

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

Road and Rail (ADR-RID):

Not Applicable

Air (IATA):

Not Applicable

Sea (IMDG):

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)	
Dir. 2000/39/EC (Occupational exposure limit values)	
Regulation (EC) n. 1907/2006 (REACH)	
Regulation (EU) n. 2020/878	
Regulation (EC) n. 1272/2008 (CLP)	Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)	Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)	Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)	Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)	Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)	Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)	Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)	Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)	Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)	Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)	Regulation (EU) n. 2023/1435 (ATP 20 CLP)
Regulation (EU) n. 2024/197 (ATP 21 CLP)	Regulation (EU) n. 2024/2564 (ATP 22 CLP)
Regulation (EU) n. 2024/2865	Regulation (EU) n. 2025/1222 (ATP 23 CLP)
Provisions related to directive EU 2012/18 (Seveso III):	
None	

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3
Restrictions related to the substances contained: 30, 40, 70, 75

SVHC Substances:

SVHC substances not present in a concentration ≥ 0.1% (w/w)

National regulations

Produktregisteret Norge: 660566
MAL-kode: 3-4 (1993)
Lagerklasse (TRGS-510): 12 - Non-combustible liquids, that cannot be assigned to any of the aforementioned LGK

German Water Hazard Class.

1

Regulation (EC) nr 648/2004 (Detergents).

Product contents:

Category:	Qty:
non-ionic surfactants	< 5%
Perfumes	15-30%

Allergens:

benzyl alcohol

Preservatives:

Benzisothiazolinone
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)
2-methyl-1,2-benzothiazol-3(2H)-one

Regulation (UE) 2019/1148 (Explosive precursors): No substances contained

Regulation (CE) 273/2004 and 111/2005 (Drug precursors): No substances contained

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH071	Corrosive to the respiratory tract.
H226	Flammable liquid and vapour.

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.

Code	Hazard class and hazard category	Description
2.16/1	Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/2/Dermal	Acute Tox. 2	Acute toxicity (dermal), Category 2
3.1/2/Inhal	Acute Tox. 2	Acute toxicity (inhalation), Category 2
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.2/1C	Skin Corr. 1C	Skin corrosion, Category 1C
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008 Classification procedure

Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1B, H317	Calculation method

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE: Acute Toxicity Estimate
ATEmix: Acute toxicity Estimate (Mixtures)
BCF: Biological Concentration Factor
BEI: Biological Exposure Index
BOD: Biochemical Oxygen Demand
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CAV: Poison Center
CE: European Community
CLP: Classification, Labeling, Packaging.
CMR: Carcinogenic, Mutagenic and Reprotoxic
COD: Chemical Oxygen Demand
COV: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: Keep Away From Heat
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- Safety Data Sheet
- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 15: Regulatory information
- SECTION 16: Other information