

Safety Data Sheet

NO-AGE



Safety Data Sheet dated 15/3/2023, version 3.0

This version cancels and substitutes any previous version

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

1.1. Product identifier

Mixture identification:

Trade name: NO-AGE

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

Recommended use:

Protective-anticorrosive treatment for condensers

1.3. Details of the supplier of the safety data sheet

Company:

ERRECOM SPA

Via Industriale, 14

Corzano (BS) Italy

Tel. +39 030/9719096

Competent person responsible for the safety data sheet:

lab@errecom.it


1.4. Emergency telephone number


+39 02-6610-1029 Poison Control Center Niguarda Ca' Granda - Milano - ITALY

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Skin Irrit. 2, Causes skin irritation.

 Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash the parts that come into contact thoroughly after handling.

P280 Wear protective gloves and eye/face protection.

Special Provisions:

None

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 $\geq 0.1\%$

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Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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

Qty	Name	Ident. Number	Classification
>= 2.5% - < 5%	2-(2-butoxyethoxy)ethanol	Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-21194751 04-44-XXXX	3.3/2 Eye Irrit. 2 H319
>= 1% - < 2.5%	ethanolamine	Index number: 603-030-00-8 CAS: 141-43-5 EC: 205-483-3 REACH No.: 01-21194864 55-28-XXXX	3.1/4/Oral Acute Tox. 4 H302 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332 3.2/1B Skin Corr. 1B H314 3.8/3 STOT SE 3 H335 4.1/C3 Aquatic Chronic 3 H412
>= 1% - < 2.5%	ethanol	Index number: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 REACH No.: 01-21194576 10-43-XXXX	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319
>= 0.25% - < 0.5%	propan-2-ol	Index number: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH No.: 01-21194575 58-25-XXXX	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336
>= 0.0001% - < 0.01%	methanol	Index number: 603-001-00-X CAS: 67-56-1 EC: 200-659-6 REACH No.: 01-21194333 07-44-XXXX	2.6/2 Flam. Liq. 2 H225 3.8/1 STOT SE 1 H370 3.1/3/Oral Acute Tox. 3 H301 3.1/3/Dermal Acute Tox. 3 H311 3.1/3/Inhal Acute Tox. 3 H331 Specific Concentration Limits: C >= 10%: STOT SE 1 H370 3% <= C < 10%: STOT SE 2 H371

SECTION 4: First aid measures

4.1. Description of first aid measures

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In case of skin contact:

Immediately take off all contaminated clothing.
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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

No information available.

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:

Treat symptomatically.

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.

Retain contaminated washing water and dispose it.

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

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

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

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.
Advice on general occupational hygiene:
Wash hands after use
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
Do not store at temperatures below + 5 ° C / + 41 ° F.
Store in a cool and well ventilated place.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
- 7.3. Specific end use(s)
Information not available.

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
- 2-(2-butoxyethoxy)ethanol - CAS: 112-34-5
EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm
ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff
- ethanolamine - CAS: 141-43-5
OEL - TWA(8h): 2.5 mg/m³, 1 ppm - STEL(15min): 7.6 mg/m³, 3 ppm
EU - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes: Skin
ACGIH - TWA(8h): 3 ppm - STEL: 6 ppm - Notes: Eye and skin irr
- ethanol - CAS: 64-17-5
ACGIH - STEL: 1884 mg/m³, 1000 ppm
- propan-2-ol - CAS: 67-63-0
ACGIH - TWA(8h): 492 mg/m³, 200 ppm - STEL: 983 mg/m³, 400 ppm
NPHV - TWA(8h): 500 mg/m³, 200 ppm - STEL(15min): 1000 mg/m³
- methanol - CAS: 67-56-1
AGW - TWA(8h): 270 mg/m³, 200 ppm - STEL(15min): 1080 mg/m³, 800 ppm -
Notes: skin
MAK - TWA(8h): 130 mg/m³, 100 ppm - STEL(15min): 260 mg/m³, 200 ppm - Notes:
skin
VLA - TWA(8h): 266 mg/m³, 200 ppm - Notes: skin
VLEP - TWA(8h): 260 mg/m³, 200 ppm - STEL(15min): 1300 mg/m³, 1000 ppm -
Notes: skin
WEL - TWA(8h): 266 mg/m³, 200 ppm - STEL(15min): 333 mg/m³, 250 ppm - Notes:
skin
TLV (GR) - TWA(8h): 260 mg/m³, 200 ppm - STEL(15min): 325 mg/m³, 250 ppm
GVI/KGVI - TWA(8h): 260 mg/m³, 200 ppm - Notes: skin
AK - TWA(8h): 260 mg/m³ - Notes: skin
NDS - TWA(8h): 100 mg/m³ - STEL(15min): 300 mg/m³
NPEL - TWA(8h): 260 mg/m³, 200 ppm - Notes: skin
EU - TWA(8h): 260 mg/m³, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 200 ppm - STEL: 250 ppm - Notes: Skin, BEI - Headache, eye
dam, dizziness, nausea
VLEP - TWA(8h): 260 mg/m³, 200 ppm - Notes: skin
- DNEL Exposure Limit Values
2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

Worker Industry: 67.5 mg/m³ - Consumer: 40.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 101.2 mg/m³ - Consumer: 60.7 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 83 mg/kg - Consumer: 50 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 67.5 mg/m³ - Consumer: 40.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
ethanolamine - CAS: 141-43-5

Worker Professional: 1 mg/kg - Consumer: 0.24 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 3.3 mg/m³ - Consumer: 2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 3.3 mg/m³ - Consumer: 2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 3.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

ethanol - CAS: 64-17-5

Worker Industry: 1900 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 950 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

propan-2-ol - CAS: 67-63-0

Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 500 mg/m³ - Consumer: 89 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

methanol - CAS: 67-56-1

Consumer: 8 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Worker Professional: 260 mg/m³ - Consumer: 50 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 40 mg/kg - Consumer: 8 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 260 mg/m³ - Consumer: 50 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 260 mg/m³ - Consumer: 50 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 8 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 40 mg/kg - Consumer: 8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

Target: Fresh Water - Value: 1.1 mg/L

Target: Marine water - Value: 0.11 mg/L

Target: Freshwater sediments - Value: 4.4 mg/kg

Target: Marine water sediments - Value: 0.44 mg/kg

Target: Soil (agricultural) - Value: 0.32 mg/kg

Target: Secondary poisoning - Value: 56 mg/kg

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Target: Microorganisms in sewage treatments - Value: 200 mg/L
ethanolamine - CAS: 141-43-5

Target: Fresh Water - Value: 0.085 mg/L

Target: Marine water - Value: 0.0085 mg/L

Target: Freshwater sediments - Value: 0.425 mg/kg

Target: Marine water sediments - Value: 0.0425 mg/kg

Target: Soil (agricultural) - Value: 0.035 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/L

ethanol - CAS: 64-17-5

Target: Fresh Water - Value: 0.96 mg/L

Target: Marine water - Value: 0.79 mg/L

Target: Freshwater sediments - Value: 36 mg/kg

Target: Marine water sediments - Value: 2.9 mg/kg

Target: Aquatic, periodic release - Value: 2.75 mg/L

Target: Microorganisms in sewage treatments - Value: 580 mg/L

Target: Secondary poisoning - Value: 0.72 mg/kg

Target: Soil (agricultural) - Value: 0.63 mg/kg

propan-2-ol - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/L

Target: Marine water - Value: 140.9 mg/L

Target: Freshwater sediments - Value: 552 mg/kg

Target: Aquatic, periodic release - Value: 140.9 mg/L

Target: Microorganisms in sewage treatments - Value: 2251 mg/L

Target: Food chain - Value: 160 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg

methanol - CAS: 67-56-1

Target: Fresh Water - Value: 154 mg/L

Target: Marine water - Value: 15.4 mg/L

Target: Freshwater sediments - Value: 570.4 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/L

Target: Soil (agricultural) - Value: 23.5 mg/kg

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Overall.

Protection for hands:

One-time gloves.

Suitable material:

CR (polychloroprene, chloroprene rubber).

NR (natural rubber, natural latex).

Material thickness: minimum 0.12 mm.

Break through time : > 480 min

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).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Amber	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	8	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.99 g/mL (+20°C/+68°F)	ASTM-D4052	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

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

No data available

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

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

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Toxicological information of the product:

- 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 Irrit. 2 H319
- d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
- 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 of the main substances found in the product:

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2410 mg/kg - Source: OCSE 401
Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg - Source: OCSE 402

ethanolamine - CAS: 141-43-5

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1510 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 1000 mg/kg - Source: IUCLID
- b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit Positive - Source: IUCLID
- c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Positive - Source: IUCLID

- e) germ cell mutagenicity:
Test: Ames test Negative - Source: IUCLID

ethanol - CAS: 64-17-5

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat 117 mg/L - Duration: 4h

propan-2-ol - CAS: 67-63-0

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 5840 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 13900 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 2500 mg/L - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit 6290 mg/kg

methanol - CAS: 67-56-1

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 128.2 mg/L - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 1.187 mg/kg

Test: Acute toxicity estimate - Route: Oral 100 mg/kg - Source: table 3.1.2 Annex I of CLP

Test: Acute toxicity estimate - Route: Inhalation Vapour 3 mg/L - Source: table 3.1.2 Annex I of CLP

Test: Acute toxicity estimate - Route: Skin 300 mg/kg

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

LD50 (RAT) ORAL: 6560 MG/KG

LD50 (RABBIT) SKIN: 4120 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.

Not classified for environmental hazards

Based on available data, the classification criteria are not met

2-(2-butoxyethoxy)ethanol

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1300 mg/L - Duration h: 96 - Notes: Species: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia > 100 mg/L - Duration h: 48 - Notes: Species: Daphnia magna

Endpoint: EC50 - Species: Algae > 100 mg/L - Duration h: 96 - Notes: Species: Selenastrum capricornutum

ethanolamine

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 150 mg/L - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: LC50 - Species: Fish 2070 mg/L - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish 349 mg/L - Duration h: 96 - Notes: Cyprinus carpio

Endpoint: EC50 - Species: Daphnia 65 mg/L - Duration h: 48 - Notes: Daphnia magna

Endpoint: ErC50 - Species: Algae 2.5 mg/L - Duration h: 72 - Notes: Selenastrum capricornutum

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia 0.85 mg/L - Duration h: 504 - Notes: Daphnia magna

ethanol

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 11200 mg/L - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 12300 mg/L - Duration h: 48 - Notes: Species: Daphnia magna

Endpoint: EC50 - Species: Algae > 275 mg/L - Duration h: 72 - Notes: Species: Chlorella vulgaris

propan-2-ol

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/L - Duration h: 96 - Notes: Pimephales promelas

methanol

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 15.4 mg/L - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 10 mg/L - Duration h: 48 - Notes: Species:

Daphnia magna

Endpoint: EC50 - Species: Algae > 22 mg/L - Duration h: 72

12.2. Persistence and degradability

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

Biodegradability: Completely biodegradable - Test: OECD 302 B - Duration: 28 d - %: 100

Biodegradability: Readily biodegradable - Test: OECD 301 C - Duration: 28 d - %: 89 - Notes: 89-93%

ethanolamine - CAS: 141-43-5

Biodegradability: Readily biodegradable - Test: OECD 301 - Duration: 28 d - %: 99 - Notes: OECD 301E

ethanol - CAS: 64-17-5

Biodegradability: Readily biodegradable - Test: Solubility in water - Notes: 1000 - 10000 mg/L

propan-2-ol - CAS: 67-63-0

Biodegradability: Readily biodegradable

methanol - CAS: 67-56-1

Biodegradability: Readily biodegradable - Test: Solubility in water - Notes: 1000 - 10000 mg/L

12.3. Bioaccumulative potential

ethanol - CAS: 64-17-5

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.350000-

propan-2-ol - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.05

methanol - CAS: 67-56-1

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.770000-

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 0.2

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration \geq 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

- 14.5. Environmental hazards
N.A.
- 14.6. Special precautions for user
N.A.
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

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 (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) n. 2020/878
 - 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)

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:

- Restriction 3
- Restriction 40

Restrictions related to the substances contained:

- Restriction 55
- Restriction 69
- Restriction 75

Where applicable, refer to the following regulatory provisions :

- Directive 2012/18/EU (Seveso III)
- Regulation (EC) nr 648/2004 (detergents).
- Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

- Seveso III category according to Annex 1, part 1
- None

15.2. Chemical safety assessment

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

SECTION 16: Other information

Full text of phrases referred to in Section 3:

- H319 Causes serious eye irritation.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects.
- H225 Highly flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H331 Toxic if inhaled.
- H371 May cause damage to organs.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 1	3.8/1	Specific target organ toxicity - single exposure, Category 1
STOT SE 2	3.8/2	Specific target organ toxicity - single exposure, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. 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 Irrit. 2, H319	Calculation method

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

Safety Data Sheet

NO-AGE



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 MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
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.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
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.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.