

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 0227 CAS: 26183-52-8 EC: 500-046-6 REACH: 01-2119978671-25-XXXX DECAN-1-OL, ETHOXYLATED	GHS07 Wng Eye Irrit. 2, H319		10 \leq x % < 25
INDEX: 0032 CAS: 26183-52-8 EC: POLYMER REACH: POLYMER DECAN-1-OL, ETHOXYLATED	GHS05 Dgr Eye Dam. 1, H318		2.5 \leq x % < 10
INDEX: 0212 CAS: 61791-59-1 EC: 263-193-2 REACH: 01-2120770106-59-0000 GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		2.5 \leq x % < 10
INDEX: 0211 CAS: 68425-44-5 EC: 500-211-2 AMIDES, COCO, N-(HYDROXYETHYL),ETHOXYLATED	GHS05 Dgr Eye Dam. 1, H318		2.5 \leq x % < 10
INDEX: 0070 CAS: 56539-66-3 EC: 260-252-4 REACH: 01-2119976333-33-0000 3-METHOXY-3-METHYLBUTAN-1-OL	GHS07 Wng Eye Irrit. 2, H319		2.5 \leq x % < 10
INDEX: 0143 CAS: 97489-15-1 EC: 307-055-2 REACH: 01-2119489924-20-XXXX SODIUM SULPHONATE	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 \leq x % < 10
INDEX: 0144 CAS: 68920-66-1 EC: 500-236-9 REACH: EXEMPTED ETHOXYLATED FATTY ALCOHOL	GHS07, GHS09 Wng Skin Irrit. 2, H315 Aquatic Chronic 2, H411		1 \leq x % < 2.5

(Full text of H-phrases: see section 16)

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of swallowing :

Seek medical attention, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)
- sulphur dioxide (SO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Neutralise with an acidic decontaminant.

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Stock between 5 °C and 40°C in a dry, well ventilated place

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)

Final use:	Workers.
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	6.25 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	18 mg of substance/m ³
Final use:	Consumers.
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	2.5 mg/kg body weight/day

Exposure method: Dermal contact.
 Potential health effects: Long term systemic effects.
 DNEL : 3.1 mg/kg body weight/day

Exposure method: Inhalation.
 Potential health effects: Long term systemic effects.
 DNEL : 4.4 mg of substance/m3

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)

Final use: Workers.
 Exposure method: Dermal contact.
 Potential health effects: Long term systemic effects.
 DNEL : 20 mg/kg body weight/day

Exposure method: Inhalation.
 Potential health effects: Long term systemic effects.
 DNEL : 141.1 mg of substance/m3

Final use: Consumers.
 Exposure method: Ingestion.
 Potential health effects: Long term systemic effects.
 DNEL : 10 mg/kg body weight/day

Exposure method: Dermal contact.
 Potential health effects: Long term systemic effects.
 DNEL : 10 mg/kg body weight/day

Exposure method: Inhalation.
 Potential health effects: Long term systemic effects.
 DNEL : 34.8 mg of substance/m3

Predicted no effect concentration (PNEC):

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)

Environmental compartment: Soil.
 PNEC : 0.006 mg/kg

Environmental compartment: Fresh water.
 PNEC : 0.01 mg/l

Environmental compartment: Sea water.
 PNEC : 0.001 mg/l

Environmental compartment: Fresh water sediment.
 PNEC : 0.061 mg/kg

Environmental compartment: Marine sediment.
 PNEC : 0.006 mg/kg

Environmental compartment: Waste water treatment plant.
 PNEC : 10 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid.
Color:	yellow
Odour:	characteristic

Important health, safety and environmental information

pH :	10.00 . Slightly basic.
pH (aqueous solution) :	10.30
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	1.030
Miscibility :	100%
Water solubility :	Dilutable.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
% VOC :	0

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

Keep away from :

- acids

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

- sulphur dioxide (SO₂)

- nitrogen oxide (NO)

- nitrogen dioxide (NO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances

Acute toxicity :

SODIUM SULPHONATE (CAS: 97489-15-1)

Oral route :

LD50 = 500 mg/kg

Species : Rat

OECD Guideline 401 (Acute Oral Toxicity)

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)

Oral route :

LD50 = 4400 mg/kg

Species : Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route :

LD50 > 2000 mg/kg

Species : Rat

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)

Oral route :

LD50 > 5000 mg/kg

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route :

LD50 > 2000 mg/kg

OECD Guideline 402 (Acute Dermal Toxicity)

Serious damage to eyes/eye irritation :

DECAN-1-OL, ETHOXYLATED (CAS: 26183-52-8)

OECD Guideline 437 (Bovine Corneal Opacity and Permeability Test Method for Identifying Ocular Corrosives and Severe Irritants)

Respiratory or skin sensitisation :

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig

Germ cell mutagenicity :

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)
Mutagenesis (in vitro) : Negative.
Species : Bacteria
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)
OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Ames test (in vitro) : Negative.
With or without metabolic activation.

Reproductive toxicant :

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)
No toxic effect for reproduction
Study on fertility : Species : Rat
Study on development : Species : Rat
OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Specific target organ systemic toxicity - repeated exposure :

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)
Oral route : C = 250 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

11.1.2. Mixture

No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

DECAN-1-OL, ETHOXYLATED (CAS: 26183-52-8)
Crustacean toxicity : EC50 = 7.2 mg/l
Species : Daphnia sp.
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity : EC50 = 4.2 mg/l
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)
Fish toxicity : LC50 = 14.4 mg/l
Species : Danio rerio

	Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 10 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 = 13.47 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h
3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)	
Fish toxicity :	LC50 > 100 mg/l Species : Oryzias latipes Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 > 1000 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	NOEC = 100 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 > 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC = 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 48 h OECD Guideline 201 (Alga, Growth Inhibition Test)
DECAN-1-OL, ETHOXYLATED (CAS: 26183-52-8)	
Fish toxicity :	
Algae toxicity :	ECr50 = 1.4 mg/l OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

SODIUM SULPHONATE (CAS: 97489-15-1)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)

Biodegradability : Non-rapidly degradable.

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DECAN-1-OL, ETHOXYLATED (CAS: 26183-52-8)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DECAN-1-OL, ETHOXYLATED (CAS: 26183-52-8)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

AMIDES, COCO, N-(HYDROXYETHYL),ETHOXYLATED (CAS: 68425-44-5)

Chemical oxygen demand : DCO = 2.11 g/g

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

12.3.1. Substances

3-METHOXY-3-METHYLBUTAN-1-OL (CAS: 56539-66-3)

Octanol/water partition coefficient : log K_{ow} = 0.18

GLYCINE, N-METHYL-, N-COCO ACYL DERIVS., SODIUM SALTS (CAS: 61791-59-1)

Octanol/water partition coefficient : log K_{ow} = -1.3
OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Bioaccumulation : BCF = 3.16
Other guideline

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

07 06 04 * other organic solvents, washing liquids and mother liquors

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2020/217 (ATP 14)

- Container information:

No data available.

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

UFI : Unique Formula Identifier

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.