

SAFETY DATA SHEET

DATE OF COMPILATION: 02.08.2021

REVISION: -

VERSION NUMBER: 1.0

Safety data sheet in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Trade name: **TOILET BLOCK MOLE FRESH POWER MARINE FRESH (6 ACTION)**

Designation: Toilet block on the basis of surface-active agents, fragrant component intended for washing and refreshing toilet bowls.

Contains: Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene sodium salts.

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses: Product for cleaning and refreshing toilet bowls.

Uses advised against: any type of uses not mentioned above and in point 7.3

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Manufacturer: **GLOBAL COSMED GROUP S.A.**

Address: ul. Kuziennicza 15, 59-400 Jawor

Telephone: (76) 870-30-31

E-mail address for a person responsible for the SDS: sekretariat.jawor@globalcosmed.eu

Supplier: **Global Cosmed GmbH.**

Address: Osterbekstraße 90 a, D-22083 Hamburg, Germany

Telephone: +49 (0) 40 64 60 429-30

1.4. EMERGENCY TELEPHONE NUMBER

+ 48 76 870 30 31 (MO. TO FR. 8:00 - 16:00) OR 112

+49 40 64 60 429 - 0 (MO. TO FR. 8:00 - 17:00) OR 112

SECTION 2 : HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The mixture is classified according to REGULATION (EC) No 1272/2008 as:

**Eye Dam. 1 - Eye Damage of category 1 with hazard statement:
H318 Causes serious eye damage.**

**Skin Irrit. 2 - Skin Irritation of category 2 with hazard statement:
H315 Causes skin irritation.**

Aquatic Chronic 3 - Hazardous to the aquatic environment – Chronic Hazard of category 3 with hazard

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statement:

H412 Harmful to aquatic life with long lasting effects.

2.2. LABEL ELEMENTS

Hazard pictogram:



Signal word: **Danger**

Hazard statements:

H318 Causes serious eye damage.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- | | |
|----------------|--|
| P102 | Keep out of reach of children. |
| P101 | If medical advice is needed, have product container or label at hand. |
| P280 | Wear protective gloves and eye protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P302+P352 | IF ON SKIN: Wash with plenty of water with soap. |
| P501 | Dispose of container to segregated municipal waste collection. |

Contains: Sulfonic acids, C14-16 (evennumbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts.

Supplemental label elements:

EUH208 Contains: 2-methylundecanal. May produce an allergic reaction.

Detergent labeling according to Detergent Regulation 648/2004/EC:

Constituents: anionic surfactants >30%; non-ionic surfactants <5%; perfumes, Alpha Isomethyl Ionone, Citronellol, Geraniol.

2.3. OTHER HAZARDS

The ingredients of mixture do not meet the criteria for PBT and vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

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not applicable.

3.2. MIXTURES

Hazard substances and substances for which there are Community workplace exposure limits:

Substance name	Concentration (% m/m)	Number CAS	Number WE	Number registration	Classification in accordance with Directive (WE) nr 1272/2008
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	25 - 30	68439-57-6	270-407-8 [931-534-0]	01-2119513401-57-xxxx	Eye Dam. 1, H318 Skin Irrit. 2, H315
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	1 - 5	68955-19-1	273-257-1	01-2119490225-39-xxxx	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3; H412 Specific concentration limits: Eye Dam. 1, H318; C ≥ 20 % Eye Irrit.2, H319; 10 % ≤ C < 20 %
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	1,0 – 2,0	68891-38-3	500-234-8	01-2119488639-16-xxxx	Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl	0,1 – 1,0	90622-77-8	292-481-0 [931-338-5]	01-2119489413-33-xxxx	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic. 2; H411
2-methylundecanal (ingredient of fragrance)	0,04 – 0,20	110-41-8	203-765-0	-	Skin Irrit. 2, H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M=1
Diphenyl ether ¹⁾ (ingredient of fragrance)	< 0,1	101-84-8	202-981-2	01-2119472545-33-xxxx	Eye Irrit. 2; H319 Aquatic Acute 1; H400 M=1 Aquatic Chronic 3; H412

¹⁾ A substance with EU workplace exposure limits.

Full texts of hazard statements is listed in section 16.

SECTION 4 : FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation:

- no an inhalation hazard under normal conditions of use;

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Eye:

- flush with plenty of water for at least 10-15 minutes with the eyelids held wide open, avoid strong stream of water, which can cause cornea injury;
- do not use any medicines before getting medical attention;
- remove any contact lenses;
- seek medical attention;

Skin:

- remove contaminated clothing;
- flush with plenty of water;
- seek medical advice.

Ingestion:

- rinse mouth with plenty of water;
- do not induce vomiting;
- if vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration);
- seek medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED

- inhalation – none;
- skin contact - irritation, redness;
- eye contact – serious eye damage, irritation, pain, watering, redness;
- ingestion – irritant to mouth, throat and stomach.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available.

SECTION 5. FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: extinguishing dry chemical powder, foam.

Unsuitable extinguishing media: direct water jet.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Combustion products: sulphur oxides and carbon oxides.

5.3. ADVICE FOR FIREFIGHTERS

Wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel:

- avoid contact with skin and eyes;
- wear chemical protection gloves and suits;
- wear appropriate goggles.

For emergency responders:

Suitable fabric for personal protective clothing:

- appropriate: gloves - nitrile rubber, neoprene, PVC, according to EN 374; suitability and durability of gloves is dependent on application, frequency, duration of contact, chemical resistance of glove material.
- not appropriate: no data.

6.2. ENVIRONMENTAL PRECAUTIONS

- keep away from drains, surface- and ground-water and soil.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- clean up spillage promptly;

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- collect free product and transfer it to suitable tanks or containers for safe disposal;
- dispose of according to the local regulations.

6.4. REFERENCE TO OTHER SECTIONS

Information regarding safe handling – see section 7.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

- handle in accordance with good manufacturing practices and personal hygiene;
- avoid contact with skin and eyes;
- wash hands after use;
- wash any exposed skin immediately after any chemical contact;
- do not eat, drink and smoke in work areas;
- remove contaminated clothing and protective equipment before entering eating areas;
- wear protective equipment.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- store in a cool (5°C -35°C), dry, well ventilated area;
- keep containers upright and tightly closed;
- keep away from food, oxidising substances, acids.

7.3. SPECIFIC END USE(S)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Substances with national occupational exposure limits:

Substance name and CAS number	OEL-TWA		STEL		Country, Publication
	ppm	mg/m ³	ppm	mg/ m ³	
Titanium dioxide [13463-67-7]	-	10	-	-	[Poland]Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 (DZ.U. 2018 poz. 286
Titanium dioxide [13463-67-7]	-	10	-	-	[Belgium]
Titanium dioxide [13463-67-7]	-	6 total dust	-	12 total dust	[Denmark]
Titanium dioxide [13463-67-7]	-	11 inhalable aerosol	-	-	[France]
Titanium dioxide [13463-67-7]	-	0,3 (1)(2)(3)	-	2,4 (1)(2)(3)(4)	[Germany]
Titanium dioxide [13463-67-7]	-	10 (1) 4 (2)	-	-	[Ireland]
Titanium dioxide [13463-67-7]	-	10	-	-	[Latvia]
Titanium dioxide [13463-67-7]	-	10	-	15 (1)	[Romania]

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Titanium dioxide [13463-67-7]	-	10 Inhalable aerosol	-	-	[Spain]
Titanium dioxide [13463-67-7]	-	5 Inhalable aerosol	-	-	[Sweden]

Remarks:

Germany: (1) Excluding ultrafine particles (2) Respirable fraction (3) Multiplied by the material density (4) 15 minutes average value.

Ireland: (1) Inhalable fraction (2) Respirable fraction.

Romania: (1) 15 minutes average value.

Source: Based on GESTIS International Limit values Database.

Substance name and CAS number	OEL-TWA		STEL		Country, Publication
	ppm	mg/m ³	ppm	mg/m ³	
Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[Austria]
Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[Belgium]
Diphenyl ether [101-84-8]	1	7	2	14	[Denmark]
Diphenyl ether [101-84-8]	1	7	2 (1)	14 (1)	[European Union]
Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[Finland]
Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[France]
Diphenyl ether [101-84-8]	1(1)	7,1(1)	1(1)(2)	7,1(1)(2)	[Germany (AGS)]
Diphenyl ether [101-84-8]	1(1)	7,1(1)	1(1)(2)	7,1(1)(2)	[Germany (DFG)]
Diphenyl ether [101-84-8]	1	7	-	-	[Ireland]
Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[Latvia]
Diphenyl ether [101-84-8]	-	7	-	14	[Poland]
Diphenyl ether [101-84-8]	0,7	5	1,4(1)	10 (1)	[Romania]
Diphenyl ether [101-84-8]	1	7,1	2	14,2	[Spain]
Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[Sweden]

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Diphenyl ether [101-84-8]	1	7	2(1)	14(1)	[United Kingdom]
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Remarks:

Austria (1) 15 minutes average value
 Belgium (1) 15 minutes average value
 European Union (1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value
 Finland (1) 15 minutes average value
 France : Indicative statutory limit values (1) 15 minutes average value
 Germany (AGS) (1) Inhalable aerosol and vapour (2) 15 minutes reference period
 Germany (DFG) (1) Inhalable fraction and vapour (2) 15 minutes reference period
 Latvia (1) 15 minutes average value
 People's Republic of China (1) 15 minutes average value
 Romania (1) 15 minutes average value
 Sweden (1) 15 minutes average value
 United Kingdom (1) 15 minutes average value
 Source: Based on GESTIS International Limit values Database.

The mixture does not contain substances with the national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Commission Decision 2014/113/EU;

The mixture does not contain substances with the national occupational exposure limit values that correspond to Union limit values in accordance with Directive 2004/37/EC, including any notations as referred to in Article 2(3) of Decision 2014/113/EU;

The mixture does not contain substances with the national biological limit values that correspond to Union biological limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Decision 2014/113/EU;

DNEL (Derived No Effect Level) Values determined for Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Exposure time	Population	Route of exposure	Value
Long-term systemic	Workers	dermal	2158.33 mg/kg bw/day
Long-term	Workers	inhalation	152.22 mg/m ³
Long-term	Consumers	dermal	1295 mg/kg bw/day
Long-term	Consumers	oral	12.95 mg/kg bw/day

DNEL (Derived No Effect Level) Values determined for Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Exposure time	Population	Route of exposure	Value
Long-term	Workers	dermal	4060 mg/kg bw/day
Long-term	Workers	inhalation	285 mg/m ³
Long-term	Consumers	oral	24 mg/kg bw/day
Long-term	Consumers	dermal	2440 mg/kg bw/day
Long-term	Consumers	inhalation	85 mg/m ³

DNEL (Derived No Effect Level) Values determined for Amides, C12-18(even-numbered) and C18(unsatd.), N-

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hydroxyethyl No CAS [90622-77-8]:

Exposure time	Route of exposure	DNEL	
		Workers	Consumers
Long-term	dermal	4,16 mg/kg	2,5 mg/kg
	oral	-	6,25 mg/kg
	inhalation	73,4 mg/m ³	21,73 mg/ m ³

DNEL (Derived No Effect Level) Values determined for Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Exposure time	Group	Route of exposure	Value
Long-term systemic	Worker	dermal	2750 mg/kg bw/day
Long-term, systemic	Worker	inhalation	175 mg/m ³
Long-term, systemic	Consumer	oral	15 mg/kg bw/day
Long-term, systemic	Consumer	dermal	1650 mg/kg bw/day
Long-term, systemic	Consumer	inhalation	52 mg/m ³

DNEL (Derived No Effect Level) Values determined for Titanium Dioxide No CAS [13463-67-7]:

Exposure time	Group	Route of exposure	Value
Long-term, systemic	Worker	inhalation	10 mg/m ³
Long-term, systemic	Consumer	oral	700 mg/kg bw/day

PNEC Values (Predicted No Effect Concentration) for Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

- aquatic environment – sweet water : 0.024 mg/L;
- aquatic environment – marine water: 0,0024 mg/L;
- soil: 1,21mg/kg;
- sediment in sweet water: 0,767 mg/kg;
- sediment in marine water: 0.0767 mg/kg.

PNEC Values (Predicted No Effect Concentration) for Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

- aquatic environment – sweet water : 0.098 mg/L;
- aquatic environment – marine water: 0,0098 mg/L;
- soil: 0,631mg/kg;
- sediment in sweet water: 0,345 mg/kg;
- sediment in marine water: 3,45 mg/kg.

PNEC Values (Predicted No Effect Concentration) for Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

- aquatic environment – sweet water : 0.007 mg/L;
- aquatic environment – marine water: 0,0007 mg/L;
- soil: 0,12444mg/kg;
- sediment in sweet water: 0,261 mg/kg;

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- sediment in marine water: 0.0261 mg/kg.

PNEC Values (Predicted No Effect Concentration) for Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS: [68891-38-3]:

- aquatic environment – sweet water : 0.24 mg/L;
- aquatic environment – marine water: 0.024 mg/L;
- soil: 0.946mg/kg;
- sediment in sweet water: 5.45 mg/kg;
- sediment in marine water: 0.545 mg/kg.

PNEC Values (Predicted No Effect Concentration) for Titanium Dioxide No CAS [13463-67-7]:

- aquatic environment – sweet water : 0.127 mg/L;
- aquatic environment – marine water: 1 mg/L;
- soil: 100 mg/kg;
- sediment in sweet water: 1000 mg/kg;
- sediment in marine water: 100 mg/kg.

8.2. EXPOSURE CONTROLS

Personal protective equipment:

Respiratory protection:

- is not required during normal operations in a workplace.

Eye protection:

- use protective goggles if eye contact might occur.

Skin protection:

- in case of long contact with product use protective gloves (nitrile rubber, neoprene, PVC) according to EN 374.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Physical state	solid
Colour:	dark blue and blue
Odour :	characteristic
Odour threshold:	not determined
pH :	9,0 – 10,0 (1% solution)
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
Evaporation rate:	not determined
Flammability (solid, gas):	not combustible
Upper/lower flammability or explosive limits:	not applicable
Vapour pressure:	not determined
Vapour density:	not determined
Relative density:	not determined
Solubility(ies):	soluble in water;
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not applicable
Decomposition temperature:	no data for product;
Viscosity:	not applicable
Explosive properties:	not applicable
Oxidising properties:	not applicable

9.2. OTHER INFORMATION

No data available.

SECTION 10: STABILITY AND REACTIVITY

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10.1. REACTIVITY

The reactivity hazards of mixture has not been tested.

10.2. CHEMICAL STABILITY

Product is stable under recommended conditions of storage.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None under normal conditions.

10.4. CONDITIONS TO AVOID

Keep away from humidity, high temperatures; keep away from source of heat and source of fire.

10.5. INCOMPATIBLE MATERIALS

Strong mineral acids.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Sulphur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Acute toxicity of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

LD50 (oral): 2079 mg/kg (rat);
LD50 (dermal): 6300-13500mg/kg (rabbit);
LC50 (inhalation): >52 mg/l/4hours (rat).

Acute toxicity of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

LD50 (oral): >5000 mg/kg (rat).
LD50 (dermal): >2000 mg/kg (rabbit).

Acute toxicity of - Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

LD50 (oral): ~ 2600 mg/kg (rat).

Acute toxicity of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

LD50 (oral): 4100 mg/kg (rat).
LD50 (dermal): >2000 mg/kg (rat).

Skin corrosion/irritation:

The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as - **Causes skin irritation.**

Irritant effect of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test OECD 404 Acute Dermal Irritation/Corrosion – rabbit- Causes skin irritation.

Irritant effect of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Causes skin irritation.

Irritant effect of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Causes skin irritation.

Irritant effect of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Causes skin irritation.

Serious eye damage/eye irritation:

The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as - **Causes serious eye damage.**

Irritant effect of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test OECD 405 Acute Eye Irritation (rabbit) – causes eye damage.

Irritant effect of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Causes serious eye damage.

Irritant effect of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Causes serious eye irritation.

Irritant effect of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Causes serious eye irritation.

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Respiratory or skin sensitization:

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met, but the mixture contains: **2-methylundecanal** ; may produce an allergic reaction.

Sensitization effect of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test OECD 406 skin sensitization (dermal, guinea pig), result - has no sensitization properties.

Sensitization effect of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Not classified.

Sensitization effect of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Not classified.

Sensitization effect of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

no sensitizing properties (test OECD 406, guinea pig).

Germ cell mutagenicity:

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Mutagenicity effect of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test OECD 471 Bacterial Reverse Mutation Test, result- negative;

Test OECD 476 In vitro Mammalian Cell Gene Mutation Test, result- negative;

Test OECD 473 In vitro Mammalian Chromosomal Aberration Test, result- negative.

Mutagenicity effect of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Ames test – result – negative.

Mutagenicity effect of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Not classified.

Mutagenicity effect of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Not classified.

Carcinogenicity:

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Carcinogenicity of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test – rat – exposure time: 2 years (oral), result- negative.

Test – mouse - exposure time : 92 weeks (3 days in week, dermal), result- negative.

Carcinogenicity of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Not classified.

Carcinogenicity of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Not classified.

Carcinogenicity of Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS No [68891-38-3]:

No carcinogenic effects.

Reproductive toxicity:

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Reproductive toxicity of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test OECD 414 Prenatal Developmental Toxicity Study, rabbit, result: 2 mg/kg NOAEL.

Reproductive toxicity of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Not classified.

Reproductive toxicity of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Not classified.

STOT – single exposure:

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

STOT – repeated exposure:

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The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

Aspiration hazard:

Not applicable, the mixture is solid.

Routes of exposure

The mixture has not been tested – no available data.

Symptoms related to the physical, chemical and toxicological characteristics:

inhalation – none;
skin contact - irritation, redness and pain of skin;
eye contact – serious damage to eyes; irritation, pain, watering, redness ;
ingestion – irritant to mouth, throat and stomach, may cause nausea, vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

No available data.

Interactive effects:

No available data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

The mixture has not been tested. Based on the available data of the ingredients the mixture is classified as - **Harmful to aquatic life with long lasting effects.**

Acute toxicity of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Test ISO 10253:2006 - Marine algal growth inhibition test with *Skeletonema costatum* and *Phaeodactylum tricornutum* **EC50: 5,2mg/L/72 hours.**

Test OECD 202 *Daphnia* sp. Acute Immobilisation Test, **EC50: 4,53 mg/L/48hours.**

Test OECD 209 Activated Sludge, Respiration Inhibition Test, **IC50: 230 mg/L/3 hours**, bacteria.

Test OECD 203 Fish, Acute Toxicity Test, **LC50: 4,2 mg/L/96 hours.**

Acute toxicity of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Fish – **LC50: 10-100 mg/L** – method ISO 7346/2 (semistatic).

Daphnia – **EC50: 10-100 mg/L** – method OECD 202.

Algae– **EC50: 1-10 mg/L** – method: OECD 201/DIN 38412.

Bacteria – **EC0: >100mg/L** – method OECD 209.

Acute toxicity of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Fish – **LC50: 17 mg/L/96h.-** (*Cyprinus carpio*).

Daphnia – EC50: 15mg/L/48h (*Daphnia magna*).

Algae – ERC50: >20mg/L/72h.

Acute toxicity of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Fish – LC50: 7,1 mg/L/96h;

Daphnia – EC50: 7,2mg/l/48h;

Algae– EC50: 7,5mg/L/96h;

12.2. PERSISTENCE AND DEGRADABILITY

The mixture has not been tested - no available data.

Persistence and degradability of Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts CAS No [68439-57-6]:

Readily biodegradable.

Persistence and degradability of Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl No CAS [90622-77-8]:

Readily biodegradable.

Persistence and degradability of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

Readily biodegradable > 93% (28 days).

Biodegradation of Alcohols, C12-14, ethoxylated, sulfates, sodium salts No CAS [68891-38-3]:

Readily biodegradable.

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Biodegradability: 100%- 28 days.

12.3. **BIOACCUMULATIVE POTENTIAL**

The mixture has not been tested - no available data.

Bioaccumulative potential of Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts CAS No [68439-57-6]:

LogPow: -1,3;

BCF: 70,8;

It has low potential to accumulate.

Bioaccumulative potential of Sulfuric acid, mono-C12-18-alkyl esters, sodium salts CAS No [68955-19-1]:

BCF: -2,1 (OECD 107).

12.4. **MOBILITY IN SOIL**

The mixture has not been tested - no available data.

12.5. **RESULTS OF PBT AND vPvB ASSESSMENT**

The mixture has not been tested - no available data.

The components of mixture are not PBT and vPvB.

12.6. **OTHER ADVERSE EFFECTS**

The mixture has not been tested - no available data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. **WASTE TREATMENT METHODS**

- dispose of according to local regulations;
- avoid disposing into drainage systems and into the environment;
- contaminated packaging dispose in the same way as the product itself.
- non-contaminated packages may be recycled

SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN/IMDG/IATA:

14.1. **UN 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**:

The mixture has not been tested - no available data.

14.6. **SPECIAL PRECAUTIONS FOR USER**

See sections 6 to 8 of this Safety Data Sheet.

14.7. **TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE**

Not applicable.

SECTION 15: REGULATORY INFORMATION

The mixture is not subject to *Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer*, *Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC* or *Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals*

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15.1 **SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

15.2. **CHEMICAL SAFETY ASSESSMENT**

The chemical safety assessment has not been carried out for the mixture.

SECTION 16: OTHER INFORMATION

The classification of the mixture is based on:

- the category "acute toxicity" – an additive method;
- the category "skin corrosion/irritation" – an additive method;
- the category "serious eye damage/eye irritation" - an additive method;
- the category "respiratory or skin sensitization" – contents of sensitizing ingredients;
- the category "mutagenicity"- contents of classified ingredients;
- the category "carcinogenicity" – contents of classified ingredients;
- the category "reproductive toxicity" contents of classified ingredients;
- the category "STOT repeated exposure" contents of classified ingredients;
- the category "STOT single exposure" contents of classified ingredients;
- the category "aspiration hazard" – an additive method;
- the category 'ecotoxicological properties" – an additive method.

Abbreviations and acronyms used in the safety data sheet:

PBT – *Persistent, Bioaccumulative, Toxic;*

vPvB – *Very Persistent and very Bioaccumulative;*

LD50 – *Lethal Dose, 50%;*

LC50 – *Lethal Concentration 50%;*

EC50 - *half maximal effective concentration;*

IC50 - *half maximal inhibitory concentration;*

OECD – *Organization for Economic Cooperation and Development;*

NOAEL - *No Observed Adverse Effect Level;*

NOEC – *No Observed Effect Concentration;*

BCF - *bioconcentration factor.*

logPow – *octanol - water partition coefficient;*

OEL – *Occupational Exposure Limit;*

TWA – *Eight – hour Time Weighted Average;*

STEL – *Short Term Exposure Limit.*

ADR – *European Agreement concerning the International Carriage of Dangerous Goods by Road.*

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RID – Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).
ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

IMDG – International Maritime Dangerous Goods Code.

IATA – International Air Transport Association.

List of hazard statements and precautionary statements which are not written out in full under Sections 2 to 15:

Eye Dam. 1	Eye Damage of category 1.
Eye Irrit. 2	Eye Irritation of category 2.
Skin Irrit. 2	Skin Irritation of category 2.
Skin Sens. 1B	Skin Sensitization of category 1B.
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard of category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard of category 1.
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard of category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard of category 3.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. This document is neither a quality description of the product nor a guarantee of particular properties. The information are to be treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change.