

# SAFETY DATA SHEET Sultraspot Mineral

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

#### 1.1. Product identifier

Product name Sultraspot Mineral

Product number 7873/21489

UFI: FWSP-40TW-800H-YQAN

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

Identified uses Detergent.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Christeyns NV

Afrikalaan 182 9000 Gent Belgium

Tel: +32 9 223 38 71 info@christeyns.be

Manufacturer Cole & Wilson Ltd

Rutland Street Bradford West Yorkshire BD4 7EA T:01274 393286 F: 01274 309143 info@colewilson.co.uk

### 1.4. Emergency telephone number

Emergency telephone Christeyns NV: Tel: +32 9 223 38 71 (Mon-Fri 8am-4pm)

National emergency telephone

number

(DE) Giftnotruf Berlin +49 30 19240 (24h erreichbar)

(DE) Giftnotruf Berlin +49 (0)30 30686 790

(CH) STIZ, tel. 145

(CH) Centre suisse d'information toxicologique: +41.(0)1.251.51.51

(AT) Vergiftungsinformationszentrale: +43 1 40 400 2222 worldwide: http://www.who.int/ipcs/poisons/centre/directory/en

(FR) CENTRE ANTI-POISON France: +33 45 42 59 59 ORFILA (INRS)

(FR) CENTRE ANTI-POISON Nancy: +33 (03) 83 26 36 36

(FI) Myrkytystietokeskus +358 9 471 977

(BE) Belgisch Antigifcentrum/Centre Antipoisons Belge: +32 70 245 245

(ES) Teléfono Instituto Nacional de Toxicología: 915 620 420

(GB) NHS 111

(IT) Centro Antiveleni, Ospedale Niguarda Milano: +39 02 6610 1029

(CZ) Toxikologické informační středisko, Klinika pracovního lékařství VFN a 1. LF UK, Na Bojišti 1, 120 00

Praha 2: +420 224 919 293, +420 224 915 402

(SK) Národné toxikologické informačné centrum, Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného lekárstva a toxikológie, Limbová 5, 833 05 Bratislava : +421 2 54 77 41 66 NHS Direct

111 (GB)

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

### Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

#### 2.2. Label elements

#### Hazard pictograms



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ 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.

P337+P313 If eye irritation persists: Get medical advice/ attention.

Detergent labelling ≥ 30% aliphatic hydrocarbons, 5 - < 15% anionic surfactants

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

# SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

(2-methoxymethylethoxy) propanol		30-50%
CAS number: 34590-94-8	FC number: 252-104-2	

Classification Not Classified

2-(2-butoxyethoxy)ethanol 15-30%

CAS number: 112-34-5 EC number: 203-961-6

Classification Eye Irrit. 2 - H319

2-butoxyethyl acetate 10-15%

CAS number: 112-07-2 EC number: 203-933-3

Classification

Acute Tox. 4 - H312 Acute Tox. 4 - H332

2,2'-OXYBISETHANOL 5-10%

CAS number: 111-46-6 EC number: 203-872-2

Classification

Acute Tox. 4 - H302 STOT RE 2 - H373

BENZENESULPHONIC ACID, 4-C10-13-sec-alkyl derivs., compds.

with 2-propanamine

CAS number: 84961-74-0 EC number: 284-664-9

Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412

The full text for all hazard statements is displayed in Section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General information Get medical attention if symptoms are severe or persist. Remove affected person from source of

contamination.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get

medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected

person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if

<10%

readily available. Get medical attention immediately.

Skin contact Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention

promptly if symptoms occur after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get

medical attention immediately. Continue to rinse.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of

exposure.

Inhalation This is unlikely to occur but symptoms similar to those of ingestion may develop. Spray/mists may cause

respiratory tract irritation.

Ingestion May cause stomach pain or vomiting.

Skin contact May cause skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and

dermatitis.

Eye contact This product is strongly irritating.

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

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water

fog. Use fire-extinguishing media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Does not decompose when used and stored as recommended. Thermal decomposition or combustion

products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and

keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and

eves.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the

Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable

retaining areas or container with large quantities of water. Flush contaminated area with plenty of water.

Wash thoroughly after dealing with a spillage. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional

information on health hazards. See Section 12 for additional information on ecological hazards. For waste

disposal, see Section 13.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink

and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container

tightly sealed when not in use. Avoid the formation of mists. Avoid contact with skin and eyes.

Advice on general occupational

hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated

clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep above the chemical's freezing point to avoid rupturing the container. Store in tightly-closed, original

container.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

Occupational exposure limits

(2-methoxymethylethoxy) propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³

Sk

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³ Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

2-butoxyethyl acetate

Long-term exposure limit (8-hour TWA): WEL 20 ppm 133 mg/m³ Short-term exposure limit (15-minute): WEL 50 ppm 332 mg/m³ Sk

# 2,2'-OXYBISETHANOL

Long-term exposure limit (8-hour TWA): WEL 23 ppm 101 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit. Sk = Can be absorbed through the skin.

# **Sultraspot Mineral**

### (2-methoxymethylethoxy) propanol (CAS: 34590-94-8)

DNEL Workers - Dermal; Long term systemic effects: 283 mg/kg/day

Consumer - Oral; Long term systemic effects: 36 mg/kg/day Consumer - Inhalation; Long term systemic effects: 37.2 mg/m³ Consumer - Dermal; Long term systemic effects: 121 mg/kg/day Workers - Inhalation; Long term systemic effects: 308 mg/kg

PNEC - STP; 4168 mg/l

Fresh water; 19 mg/lSoil; 2.74 mg/kg/daymarine water; 1.9 mg/l

- Sediment (Freshwater); 70.2 mg/kg/day

- Intermittent release; 190 mg/l

- Sediment (Marinewater); 7.02 mg/kg/day

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

DNEL Workers - Inhalation; Long term systemic effects: 67.5 mg/m³

Workers - Dermal; Long term systemic effects: 83 mg/kg/day Workers - Inhalation; Short term local effects: 101.2 mg/m³ Workers - Inhalation; Long term local effects: 67.5 mg/m³ Consumer - Inhalation; Short term local effects: 60.7 mg/m³ Consumer - Inhalation; Long term systemic effects: 40.5 mg/m³ Consumer - Dermal; Long term systemic effects: 50 mg/kg/day Consumer - Oral; Long term systemic effects: 5 mg/kg/day Consumer - Inhalation; Long term local effects: 40.5 mg/m³

PNEC - Fresh water; 1.1 mg/l

marine water; 0.11 mg/l
Intermittent release; 11 mg/l
Sediment (Freshwater); 4.4 mg/kg
Sediment (Marinewater); 0.44 mg/kg

STP; 200 mg/lSoil; 0.32 mg/kg

# 2-butoxyethyl acetate (CAS: 112-07-2)

DNEL Industry - Dermal; : 102 mg/kg/day

Industry - Inhalation; : 775 mg/m³ Consumer - Dermal; : 27 mg/kg Consumer - Inhalation; : 499 mg/m³ Consumer - Oral; : 18 mg/kg/day

PNEC - Fresh water; 0.304 mg/l

- marine water; 0.0304 mg/l

Sediment (Freshwater); 2.03 mg/kgSediment (Marinewater); 0.203 mg/kg

- Soil; 0.68 mg/kg

### 2,2'-OXYBISETHANOL (CAS: 111-46-6)

DNEL Industry - Dermal; Long term : 106 mg/kg/day

Industry - Inhalation; Long term: 60 mg/m³

PNEC Fresh water; 10 mg/l

marine water; Long term 1 mg/l Sediment; Long term 20.9 mg/kg Soil; Long term 1.53 mg/kg STP; Long term 10 mg/l

### 8.2. Exposure controls

#### Protective equipment





Appropriate engineering controls 
No specific ventilation requirements.

Eye/face protection Safety glasses with side-shields (EN 166).

Hand protection Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent).

Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and

the instructions/specification of the supplier of gloves.

Other skin and body protection Wear suitable protective clothing (EN14605)

Hygiene measures Do not eat, drink or smoke when using this product.

Respiratory protection Respiratory protection must be used if the airborne contamination exceeds the recommended

occupational exposure limit.

# SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Yellow.

Odour Characteristic.

pH pH (concentrated solution): 6-8

Flash point > 61°C Closed cup.

Relative density 1.01 @ 15°C
Solubility(ies) Soluble in water.

9.2. Other information

Other information Not available.

# **SECTION 10: Stability and reactivity**

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed

storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous

situation.

10.6. Hazardous decomposition products

# **Sultraspot Mineral**

Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion

products may include the following substances: Harmful gases or vapours.

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 5,076.14

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 7,382.55

Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

ATE inhalation (gases ppm) 30,201.34

ATE inhalation (vapours mg/l) 73.83

ATE inhalation (dusts/mists mg/l) 10.07

Skin corrosion/irritation

Skin corrosion/irritation May cause skin irritation.

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

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

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

IARC carcinogenicity

None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - Based on available data the classification criteria are not met.

development

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information The severity of the symptoms described will vary dependent on the concentration and the length of

exposure.

Inhalation This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion May cause discomfort if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus

and the gastrointestinal tract.

Skin contact May cause skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and

dermatitis.

Eye contact This product is strongly irritating. Symptoms following overexposure may include the following: Redness.

Pain

Acute and chronic health hazards This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild

dermatitis, allergic skin rash.

Route of exposure Skin and/or eye contact

Ingestion

Toxicological information on ingredients.

(2-methoxymethylethoxy) propanol

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

8,740.0

Species Rat

ATE oral (mg/kg) 8,740.0

Acute toxicity - dermal

Acute toxicity dermal (LD50

mg/kg)

9,510.0

Species Rabbit

ATE dermal (mg/kg) 9,510.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀

vapours mg/l)

3,404.47

Species Rat

ATE inhalation (vapours mg/l) 3,404.47

2-(2-butoxyethoxy)ethanol

Acute toxicity - oral

Acute toxicity oral (LD₅o

2,410.0

mg/kg)
Species

Mouse

ATE oral (mg/kg) 2,410.0

Acute toxicity - dermal

Acute toxicity dermal (LD50

2,764.0

mg/kg)
Species

Rabbit

ATE dermal (mg/kg) 2,764.0

Acute toxicity - inhalation

# **Sultraspot Mineral**

Acute toxicity inhalation (LC₅₀ 29.0

vapours mg/l)

Species Rat

ATE inhalation (vapours mg/l) 29.0

2-butoxyethyl acetate

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (gases ppm) 4,500.0

ATE inhalation (vapours mg/l) 11.0

ATE inhalation (dusts/mists

mg/l)

1.5

Specific target organ toxicity - repeated exposure

STOT - repeated exposure LOAEL 94 mg/kg, Oral, Rat

2,2'-OXYBISETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅o

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12,565.0

Species Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD50

mg/kg)

mg/kg)

13,330.0

Species Rabbit

ATE dermal (mg/kg) 13,330.0

BENZENESULPHONIC ACID, 4-C10-13-sec-alkyl derivs., compds. with 2-propanamine

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

2,001.0

Species Rat

ATE oral (mg/kg) 2,001.0

**SECTION 12: Ecological information** 

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous

effects on the environment.

12.1. Toxicity

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

Ecological information on ingredients.

(2-methoxymethylethoxy) propanol

Acute aquatic toxicity

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Acute toxicity - fish LC₅₀, 96 hours: >1000 mg/l, Poecilia reticulata (Guppy)

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅o, 72 hours: >969 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - aquatic

invertebrates

NOEC, 22 days: 0.5 mg/l, Daphnia magna LOEC, 22 days: 0.5 mg/l, Daphnia magna

2-(2-butoxyethoxy)ethanol

Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 2700 mg/l, Fish

LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

EyC50, 96 hours: > 100 mg/l, Scenedesmus subspicatus

Acute toxicity - EC10, 0.5 hour: > 1995 mg/l, Activated sludge

microorganisms EC<sub>50</sub>, : 255 mg/l, Activated sludge

2-butoxyethyl acetate

Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 48 hours: >10 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic

invertebrates

 $EC_{50}$ , : >100 mg/l, Daphnia magna

Chronic aquatic toxicity

Chronic toxicity - aquatic

invertebrates

EC10, 7 days: 30.4 mg/l, Freshwater invertebrates

2,2'-OXYBISETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >1000 mg/l, Fish

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: 48900 mg/l, Daphnia

BENZENESULPHONIC ACID, 4-C10-13-sec-alkyl derivs., compds. with 2-propanamine

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1.67-6.8 mg/l, Fish

Acute toxicity - aquatic

nvertebrates

EC<sub>50</sub>, 48 hours: 7.1 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down

in The Detergents Regulations (as amended).

Ecological information on ingredients.

# **Sultraspot Mineral**

(2-methoxymethylethoxy) propanol

Biodegradation - Degradation 75%: ~ 28 days

2-(2-butoxyethoxy)ethanol

Persistence and degradability The product is biodegradable. >70% Readily biodegradable

Biodegradation OECD 302B - Degradation 100%: 28 days

2-butoxyethyl acetate

Persistence and degradability The product is expected to be biodegradable.

Biodegradation - Degradation 70%: > 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

(2-methoxymethylethoxy) propanol

Partition coefficient log Pow: ~ 0.006

2-(2-butoxyethoxy)ethanol

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient log Pow: 1.00

2-butoxyethyl acetate

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient : 1.51

2,2'-OXYBISETHANOL

Bioaccumulative potential BCF: 100,

12.4. Mobility in soil

Mobility Soluble in water.

Ecological information on ingredients.

(2-methoxymethylethoxy) propanol

Adsorption/desorption

coefficient

Water - Koc: ~ 0.28 @ °C

2-(2-butoxyethoxy)ethanol

Adsorption/desorption

coefficient

- Koc: 2 @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

# **Sultraspot Mineral**

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current UK criteria.

2-butoxyethyl acetate

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

12.6. Other adverse effects

Other adverse effects None known.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Disposal methods Dispose of in accordance with Local Authority regulations as special waste according to The Control of

Special Waste Regulations 1996.

**EURAL Code** 

# **SECTION 14: Transport information**

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA,

ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and

Not applicable.

the IBC Code

# **SECTION 15: Regulatory information**

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

Danish product registration

number

Danish national regulations

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

#### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

### **SECTION 16: Other information**

in the safety data sheet

Abbreviations and acronyms used ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland

Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate.

LC50: Lethal Concentration to 50 % of a test population.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC50: 50% of maximal Effective Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.

Revision comments Revision is due to address change Revision is due to change of UFI number

Revision date 27/10/2022

Revision

Supersedes date 08/06/2021 SDS number 7873/21489

Hazard statements in full H302 Harmful if swallowed.

> H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.