

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 25.07.2025

Version number 1

Revision: 25.07.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: ThermaFinish Silicone K10/K12/K15/R15****UFI: Q740-202U-W00C-8R4T****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture: ETICS Plaster**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

INTERMIX-AE CEMENT TITAN

Address : 22A Chalkidos, Athens, 11143

Telephone : 210-259 1111

Fax : 210-259 1576

email : info@titan.gr

www.titan.gr

1.4 Emergency telephone number:

European Emergency Tel.: 112

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word: Warning**Hazard-determining components of labelling:**

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

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2-methylisothiazol-3(2H)-one
 1,2-benzisothiazol-3(2H)-one

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

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

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards**Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 2020/878:**

CAS: 141-43-5 EINECS: 205-483-3 Index number: 603-030-00-8	2-aminoethanol ☠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 5 % substance with a Community workplace exposure limit	≥0-<0.2%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one ☠ Acute Tox. 2, H330; ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg LC50/4h (dusts and mists) inhalative: 0.21 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 %	<0.1%

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CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1	Ethane-1,2-diol ----- ☠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302 substance with a Community workplace exposure limit	<0.1%
CAS: 50-00-0 EINECS: 200-001-8 Index number: 605-001-00-5	formaldehyde ----- ☠ Acute Tox. 2, H330; ☠ Muta. 2, H341; Carc. 1B, H350; ☠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 5 % ≤ C < 25 % Eye Irrit. 2; H319: 5 % ≤ C < 25 % Skin Sens. 1; H317: C ≥ 0.2 % STOT SE 3; H335: C ≥ 5 % substance with a Community workplace exposure limit	<0.1%
CAS: 55965-84-9 Index number: 613-167-00-5 Reg.nr.: 01-2120764691-48-XXXX	reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1); ----- ☠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ☠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.1%
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9	2-methylisothiazol-3(2H)-one ----- ☠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ☠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.1%

SVHC

This product does not contain candidate substances of very high concern at a concentration ≥0.1% (Regulation (EC) No 1907/2006 (REACH), Article 59)

Additional information: For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing.

After eye contact:

Avoid strong water jet-risk of cornea damage, consult a doctor.

Immediately rinse the eyes with plenty of water, alternately lifting the upper and lower eyelids.

Check and remove contact lenses if any.

Continue to rinse for 15 minutes.

Seek medical attention if irritation occurs.

After swallowing:

Consult the doctor immediately and show the label or this Safety Data Sheet.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards May cause an allergic skin reaction.**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray.

Use fire extinguishing methods suitable to surrounding conditions.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture No further relevant information available.**5.3 Advice for firefighters****Protective equipment:**

Self-contained breathing apparatus and protective clothing in case of fire.

Wear eye protection.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel Avoid contact with dripping or leaking material.**6.1.2 For emergency responders**

Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in tightly closed containers, in a cool and dry place with good ventilation.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 1317-65-3 limestone**WEL (United Kingdom) Long-term value: 10* 4** mg/m³
*inhalable dust; **respirable**CAS: 13463-67-7 Titanium dioxide**WEL (United Kingdom) Long-term value: 10* 4** mg/m³
*total inhalable **respirable**CAS: 57-55-6 Propane-1,2-diol**WEL (United Kingdom) Long-term value: 474* 10** mg/m³, 150* ppm
*total vapour and particulates **particulates

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CAS: 141-43-5 2-aminoethanol

IOELV (EU)	Short-term value: 7.6 mg/m ³ , 3 ppm Long-term value: 2.5 mg/m ³ , 1 ppm Skin
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WEL (United Kingdom)	Short-term value: 7.6 mg/m ³ , 3 ppm Long-term value: 2.5 mg/m ³ , 1 ppm Sk
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CAS: 107-21-1 Ethane-1,2-diol

IOELV (EU)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm Skin
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WEL (United Kingdom)	Short-term value: 104** mg/m ³ , 40** ppm Long-term value: 10* 52** mg/m ³ , 20** ppm Sk *particulate **vapour
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CAS: 50-00-0 formaldehyde

BOELV (EU)	Short-term value: 0.74 mg/m ³ , 0.6 ppm Long-term value: 0.37 (0.62)* mg/m ³ , 0.3 (0.5)* ppm Skin sens;*health/funeral/embalming till 11/7/24
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WEL (United Kingdom)	Short-term value: 2.5 mg/m ³ , 2 ppm Long-term value: 2.5 mg/m ³ , 2 ppm Carc
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CAS: 1310-73-2 Sodium hydroxide

WEL (United Kingdom)	Short-term value: 2 mg/m ³
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DNELs

(CAS: 1310-73-2) Sodium hydroxide

Workers:

Long-term exposure - local effects (inhalation): 1.0 mg/m³

Consumers:

Long-term exposure - local effects (inhalation): 1.0 mg/m³

(CAS: 107-21-1) Ethane-1,2-diol

Workers:

long-term exposure, inhalation, local effects: 35 mg/m³

long-term exposure, dermal, systemic effects: 106 mg/kg bw/d

Consumers:

long-term exposure, inhalation, local effects: 7 mg/m³

long-term exposure, dermal, systemic effects: 53 mg/kg bw/d

(CAS: 50-00-0) Formaldehyde

Workers:

Inhalation - Long-term, systemic effects: 9 mg/m³Inhalation - Long-term, local effects: 0,375 mg/m³Inhalation - Short-term, local effects: 0.75 mg/m³

Dermal - Long-term, systemic effects: 240 mg/kg bw/d

Dermal - Long-term, local effects: 37 µg/cm²

Consumers:

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Inhalation - Long-term, systemic effects: 3.2 mg/m³Inhalation - Long-term, local effects: 0.1 mg/m³

Dermal - Long-term, systemic effects: 102 mg/kg bw/d

Dermal - Long-term, local effects: 12 µg/cm²

Oral - Long-term, systemic effects: 4.1 mg/kg bw/d

(CAS: 141-43-5) 2-aminoethanol

Employees

Long-term exposure, systemic effects, dermal: 3 mg/kg

Long-term exposure, systemic effects, inhalation: 1 mg/m³Long-term exposure, local effects, via inhalation: 510 µg/m³

Consumers

Long-term exposure, systemic effects, oral: 1.5 mg/kg bw/day

Long-term exposure, systemic effects, dermal: 1.5 mg/kg bw/day

Long-term exposure, systemic effects, inhalation: 180 µg/m³Long-term exposure, local effects, via inhalation: 280 µg/m³

(CAS: 2682-20-4) 2-methylisothiazol-3-(2H)-one

Employees:

Long-term exposure, local effects, inhalation: 0.021 mg/m³Short-term exposure, local effects, inhalation: 0.043 mg/m³

Consumers:

Long-term exposure, local effects, inhalation: 0.021 mg/m³Short-term exposure, local effects, inhalation: 0.043 mg/m³

Long-term exposure, local effects, ingestion: 0,027 mg/kg

Short-term exposure, local effects, ingestion: 0,053 mg/kg

(CAS: 2634-33-5) 1,2-benzisothiazol-3(2H)-one

Workers

Long-term, systemic effects, Inhalation: 6,81 mg/m³

Long-term, systemic effects, dermal: 0,966 mg/kg bw/day

Consumers

Long-term, systemic effects, Inhalation: 1,2 mg/m³

Long-term, systemic effects, Ingestion: 0,345 mg/kg bw/day

Propane-1,2-diol cas number: 57-55-6

Workers (long-term systemic effects), inhalation: 168 mg/m³Workers (long-term local effects), inhalation: 10 mg/m³General population (long-term systemic effects), inhalation: 50 mg/m³

General population (long-term systemic effects), dermal: 213 mg / kg bw / day

General population (long-term systemic effects), oral: 85 mg / kg bw / day

General population (long-term local effects), inhalation: 10 mg/m³

(CAS: 13463-67-7) Titanium dioxide

Employees:

Inhalation - Local effects, Long-term exposure: 170 µg/m³

Consumers:

Inhalation - Local effects, Long-term exposure: 28 µg/m³**PNECs**

Propane-1,2 -diol cas number: 57-55-6

Fresh water: 260 mg/l

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Marine water: 26 mg/l
Intermittent releases: 183 mg/l
STP: 20000 mg/l
Fresh water sediment: 572 mg/kg dw
Marine sediment: 57.2 mg/kg dw
Soil: 50 mg/kg dw
(CAS: 141-43-5) 2-aminoethanol
Fresh water: 0,07 mg/l
Sea water: 0,007 mg/l
STP: 100 mg/l
Sediment (fresh water): 0,357 mg/kg sediment dw
Sediment (seawater): 0,036 mg/kg sediment dw
Soil: 1,29 mg/kg soil dw
(CAS: 2634-33-5) 1,2-Benzisothiazol-3(2H)-one
Fresh water: 4,03 µg/L
Intermittent releases (Freshwater): 1.1 µg/L
Seawater: 0.403 µg/L
Intermittent releases (seawater): 110 ng/L
STP: 1.03 mg/L
Freshwater sediment: 49.9 µg/kg of sediment dw
Seawater sediment: 4,99 µg/kg sediment dw
Soil: 3 mg/kg soil dw
(CAS: 2682-20-4) 2-methylisothiazol-3-(2H)-one
Fresh water: 3,39 µg/l
Intermittent releases (Freshwater): 3.39 µg/L
Seawater: 3.39 µg/L
Intermittent releases (seawater): 3.39 µg/L
STP: 0,23 mg/l
Soil: 0,047 mg/kg

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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Hand protection

Suitable chemical resistant safety gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The breakthrough times according to EN 374 Part III do not always apply under real conditions. A maximum usage time corresponding to 50% of the breakthrough time is recommended.

Eye/face protection

Goggles recommended during refilling

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information**

Physical state	Liquid
Colour:	White/ Transparent base
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not specified
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not specified
Auto-ignition temperature:	Not specified
Decomposition temperature:	Not determined

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pH at 20 °C	8.5-9.5
Viscosity:	
Kinematic viscosity	Not determined
Dynamic:	Not determined
Solubility	
water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density:	Not determined
Relative density at 20 °C	1.70-1.80 g/ml
Vapour density	Not determined

9.2 Other information
Appearance:
Form: paste

Important information on protection of health and environment, and on safety.
Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Change in condition Not applicable

Fusion temperature / range: Not applicable

Oxidising properties Not oxidising

Evaporation rate Not determined

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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SECTION 10: Stability and reactivity**10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials** No further relevant information available.**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:**

(CAS: 57-55-6) Propane-1,2-diol

LD50, oral, rat: 22 000 mg/kg

LC50 (2h), inhalation, rabbit (powder/spray): 317,042 mg/L

LD50, dermal, rabbit: 2,000 mg/kg

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral LD50 450 mg/kg (ATE)

Dermal LD50 2.000 mg/kg (rat)

Inhalative LC50/4h (dusts and mists) 0.21 mg/l (ATE)

CAS: 55965-84-9 reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1);

Oral LD50 457 mg/kg (rat)

Dermal LD50 660 mg/kg (rabbit)

Inhalative LC50/4h (dusts and mists) 2.36 mg/l (rat)

CAS: 2682-20-4 2-methylisothiazol-3(2H)-one

Oral LD50 183 mg/kg (rat)

Dermal LD50 218 mg/kg (rabbit)

Inhalative LC50/4 h (vapour) 0.11 mg/l (rat) (Acute Inhalation Toxicity)

CAS: 141-43-5 2-aminoethanol

Inhalative LC50 (4h) 1.48 mg/l/

Oral LD50 1089 mg/kg (rat)

Dermal LD50 2504 mg/kg (rat)

CAS: 13463-67-7 Titanium dioxide

Oral LD50 >5,000 mg/kg (rat)

Inhalative LC50/4 h (vapour) >6.82 mg/l (rat)

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CAS: 50-00-0 formaldehyde

Oral	LD50	500 mg/kg (rat)
Inhalative	LC50 (4h)	100 ppmV (ATE)

CAS: 107-21-1 ethanediol

Oral	LD50	7712 mg/kg (rat)
Dermal	LD50	3500 mg/kg (ποντίκι)

Specific symptoms in biological assay:**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** May cause an allergic skin reaction.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Additional toxicological information:****Repeated dose toxicity** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:**

Propane-1,2-diol cas number: 57-55-6

LC50 Oncorhynchus mykiss, 96 h: 40,613 mg/l

LC50 Ceriodaphnia dubia, 48 h: 18,340 mg/l

LC50 Mysidopsis bahia, 96 h: 18,800 mg/l

ErC50 Selenastrum capricornutum, 96 h: 19,000 mg/l

ErC50 Skeletonema costatum, 96 h: 19,100 mg/l

Long-term toxicity to aquatic invertebrates

NOEC (7 days) 13.02 - 29 g/L

Toxicity to microorganisms

EC10 or NOEC for microorganisms 20 g/L

(CAS: 13463-67-7) Titanium dioxide

Acute toxicity to fish:

LC50 (96 hours) / Pimephales promelas (fathead minnow): > 1000 mg/L

LC50 (96 hours) / Alburnus alburnus: > 1000 mg/L

Toxicity to aquatic algae:

EC50 (72 hours) / Pseudokirchneriella subcapitata (green algae): 61 mg/L

Toxicity to aquatic invertebrates:

EC50 (48 hours) / Daphnia magna (water clam): > 1000 mg/L

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(CAS: 141-43-5) 2-aminoethanol

Acute toxicity to fish

LC50 (96h), *Cyprinus carpio*: 349 mg/L

Acute toxicity to aquatic invertebrates

EC50 (48h), *Daphnia magna*: 65 mg/L

Acute toxicity to algae

EC50 (72h), *Pseudokirchneriella subcapitata* (freshwater): 2,8 mg/LEC50 (72h), *Pseudokirchneriella subcapitata* (seawater): 24.7 mg/LNOEC (72 h), *Pseudokirchneriella subcapitata* (freshwater): 700 µg/L

Toxicity to aquatic micro-organisms

EC10 (30 min), Activated sludge: > 1000 mg/L

(CAS: 2634-33-5) 1,2-Benzisothiazol-3(2H)-one

Toxicity to fish

LC50 (*Oncorhynchus mykiss* (Rainbow Trout)): 2,15 mg/l

Exposure time: 96 h

Test species: Acute toxicity

Method: OECD 203

Toxicity to daphnia and other aquatic molluscs

EC50 (*Daphnia magna*): 2,9 mg/l

Exposure time: 48 h

Test species: Immobilisation

Method: OECD 202

Toxicity to algae/aquatic plants

ErC50 (*Selenastrum capricornutum* (green algae)): 0,11 mg/l

Exposure time: 72 h

Test type: Method: OECD 201

NOEC: 0,0403 mg/l

Exposure time: 72 h

Species: *Pseudokirchneriella subcapitata* (green algae)

Method: OECD 201

Coefficient m (Acute toxicity to the aquatic environment): 1

Toxicity to micro-organisms:

EC50 (adapted and activated sludge micro-organism): 12,8 mg/l

Exposure time: 3 h

Method: OECD 209

(CAS: 2682-20-4) 2-methylisothiazol-3(2H)-one

Toxicity to fish : LC50 (*Danio rerio* (Zebrafish)): > 150 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic molluscs:

EC50 (*Daphnia magna* (water mussel)): 0,87 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic plants:

EC50 (*Pseudokirchneriella subcapitata* (Phytoplankton - green algae *Pseudokirchneriella subcapitata*)): 0,157 mg/l

Exposure time: 72 h

NOEC (*Pseudokirchneriella subcapitata* (Phytoplankton - green algae *Pseudokirchneriella subcapitata*)): 0,0104 mg/l

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Exposure time: 96 h

Coefficient m (Acute toxicity to the aquatic environment): 10

Toxicity to micro-organisms:

EC50 (activated sludge): 31,7 mg/l

Exposure time: 3 h

Coefficient m (Chronic toxicity to the aquatic environment): 1

(CAS: 1310-73-2) sodium hydroxide

Toxicity to fish:

LC50 (trout): 45,4 mg/l

Exposure time: 96 h

Toxicity to daphnia and

other aquatic molluscs:

EC50 (Daphnia magna (water milfoil)): > 100 mg/l

Exposure time: 48 h

(CAS: 55965-84-9) reaction mass of 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

Toxicity to fish:

LC50 (Danio rerio (Zebrafish)): 0,58 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic molluscs:

EC50 (Daphnia magna): 1,02 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic plants:

EC50 (Pseudokirchneriella subcapitata (green algae)): 0,379 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

EC10 (Pseudokirchneriella subcapitata (green algae)): 0,188 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Coefficient m (Acute toxicity to the aquatic environment): 100

Coefficient m (Chronic toxicity to the aquatic environment): 100

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.

PBT: Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

12.7 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations
13.1 Waste treatment methods
Recommendation


Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	Unenforceable. Not classified as dangerous for transport. Void
14.2 UN proper shipping name ADR, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
UN "Model Regulation":	Void

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SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Directive 2012/18/EU
Named dangerous substances - ANNEX I

None of the ingredients is listed.

The substance is not included in Annex I.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148
Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations: None

Other regulations, limitations and prohibitive regulations
Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Relevant phrases

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.


Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Classification according to Regulation (EC) No 1272/2008

Skin sensitisation	Calculation method
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Department issuing SDS:


SUSTCHEM S.A.
 REACH & Chemical Services Department
 A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
 T: +30 210 8252510 | F: +30 210 8252575
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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative

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ATE: Acute toxicity estimate values

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1B: Carcinogenicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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