ATTACEII MAKING A DIFFERENCE AROUND THE WORLD EU SAFETY data sheet

Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

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

1.1 Product identifier Trade name

ArmaProtect ™ ABLC

ArmaProtect ™ ABLF

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

fire protection material For industrial and professional use only

Uses advised against No data available.

1.3 Details of the supplier of the safety data sheet

 Address

 Armacell GmbH

 Robert-Bosch-Straße 10

 48153
 Münster

 Telephone no.
 +49 (0) 251 - 7603-200

 Fax no.
 +49 (0) 251 - 7603-561

 e-mail
 info.de@armacell.com

Information provided by / telephone Dr. Heribert Quante, Tel.: +49 (0) 251 - 7603-227 Advice on Safety Data Sheet heribert.quante@armacell.com

1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008: Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

Signal word

Hazard statement(s)

Hazard statements (EU)

EUH208Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one
(3:1). May produce an allergic reaction.EUH210Safety data sheet available on request.EUH211Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statement(s)

Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. PBT assessment



EU safety data sheet MAKING A DIFFERENCE AROUND THE WORLD

Trade name: ArmaProtect ™ ABLC

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 **Mixtures**

Chemical characterization Aqueous dispersion

Hazardous ingredients

| No | Substance name | | Additional information | |
|----|-------------------------|---|------------------------|-----|
| | CAS / EC / Index / | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| | REACH no | | | |
| 1 | titanium dioxide; [in p | bowder form containing 1 % or more of particles with | | |
| | aerodynamic diamete | r ≤ 10 μm] | | |
| | 13463-67-7 | Carc. 2; H351i | < 5.00 | wt% |
| | 236-675-5 | | | |
| | 022-006-00-2 | | | |
| | 01-2119489379-17 | | | |
| 2 | reaction mass of: 5-c | hloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - | | |
| | isothiazol-3-one (3:1) | | | |
| | 55965-84-9 | Acute Tox. 3; H301 | < 0.0015 | wt% |
| | - | Acute Tox. 2; H310 | | |
| | 613-167-00-5 | Acute Tox. 2; H330 | | |
| | 01-2120764691-48 | Aquatic Acute 1; H400 | | |
| | | Aquatic Chronic 1; H410 | | |
| | | Eye Dam. 1; H318 | | |
| | | Skin Corr. 1C; H314 | | |
| | | Skin Sens. 1A; H317 | | |
| | | EUH071 | | |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|----------|---|------------------|-----------------------|
| 1 | V, W, 10 | - | - | - |
| 2 | - | Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6% | M = 100 | M = 100 |

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No Route, target organ, concrete effect

H351i

1

inhalational; -; -

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Adhere to personal protective measures when giving first aid.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. In the event of symptoms take medical treatment. After skin contact

Wash off with soap and water. Get medical attention if pain still persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

After ingestion

Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a doctor

4.2 Most important symptoms and effects, both acute and delayed



Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

Symptoms

Allergic symptoms; Irritations are possible.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam; Carbon dioxide; Extinguishing powder; Water spray jet Unsuitable extinguishing media High power water jet

5.2 Special hazards arising from the substance or mixture

The product is not flammable. In the event of fire, the following can be released: Carbon oxides (COx); titanium oxide

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Do not inhale vapours/aerosols. High risk of slipping due to leakage/spillage of product. Avoid contact with skin, eyes and clothing.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention. No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep from freezing.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection



Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

8.1 Control parameters

Occupational exposure limit values

| No | Substance name | CAS no. | | EC no. |
|----|---|------------|-------|-----------|
| 1 | titanium dioxide; [in powder form containing 1 % or more of | 13463-67-7 | | 236-675-5 |
| | particles with aerodynamic diameter ≤ 10 µm] | | | |
| | List of approved workplace exposure limits (WELs) / EH40 | | | |
| | Titanium dioxide | | | |
| | total inhalable dust | | | |
| | WEL long-term (8-hr TWA reference period) | 10 | mg/m³ | |
| | List of approved workplace exposure limits (WELs) / EH40 | | | |
| | Titanium dioxide | | | |
| | respirable dust | | | |
| | WEL long-term (8-hr TWA reference period) | 4 | mg/m³ | |

DNEL, DMEL and PNEC values

DNEL values (worker)

| | No | No Substance name | | | CAS / EC no | | |
|---|----|--|---------------------|-------|-------------|-------|--|
| | | Route of exposure Exposure time Effect | | | | Value | |
| Γ | 1 | ······································ | | | 13463-67-7 | | |
| | | | | | 236-675-5 | | |
| Γ | | inhalative | Long term (chronic) | local | 1.25 | mg/m³ | |

| | DNEL value (consumer) | | | | | |
|----|------------------------------|------------------------------|-----------|-------------|-------|--|
| No | 5 Substance name | | | CAS / EC no | | |
| | Route of exposure | Exposure time | Effect | Value | | |
| 1 | titanium dioxide; [in powder | of particles with 13463-67-7 | | | | |
| | aerodynamic diameter ≤ 10 µ | | 236-675-5 | | | |
| | inhalative | Long term (chronic) | local | 210 | µg/m³ | |

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respirator A-P2

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. Appropriate Material Nitrile rubber, butyl rubber

| Appropriate Material | Nitrile rubber, t | outyl rubber | |
|----------------------|-------------------|--------------|-----|
| Material thickness | >= | 0.4 | mm |
| Breakthrough time | > | 480 | min |
| Other | | | |

Normal chemical work clothing.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| State of aggregation | |
|----------------------|--|
| liquid | |
| Form | |
| liquid, viscous | |
| Colour | |
| white; grey | |



MAKING A DIFFERENCE AROUND THE WORLD EU safety data sheet

Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

| Odour | | | | | |
|---|----------|------|--------|-------|-----------|
| Odour almost odourless | | | | | |
| almost odouriess | | | | | |
| pH value | | | | | |
| Value | 7 | - | 7.8 | | |
| Source | supplier | | | | |
| Boiling point / boiling range | | | | | |
| Value | ~ | | 100 | °C | |
| Source | supplier | | | C C | |
| Molting point/freezing point | | | | | |
| Melting point/freezing point No data available | | | | | |
| | | | | | |
| Decomposition temperature | | | | | |
| No data available | | | | | |
| Flash point | | | | | |
| Not applicable | | | | | |
| Source | supplier | | | | |
| Ignition temperature | | | | | |
| No data available | | | | | |
| | | | | | |
| Oxidising properties | | | | | |
| not oxidizing | | | | | |
| Explosive properties | | | | | |
| The product does not have explosive properties. | | | | | |
| Flammability | | | | | |
| Not applicable | | | | | |
| Source | supplier | | | | |
| Lawrence and a day Burth | | | | | |
| Lower explosion limit | | | | | |
| Not applicable Source | aupplior | | | | |
| | supplier | | | | |
| Upper explosion limit | | | | | |
| Not applicable | | | | | |
| Source | supplier | | | | |
| Vapour pressure | | | | | |
| No data available | | | | | |
| Relative vapour density | | | | | |
| No data available | | | | | |
| | | | | | |
| Relative density | | | | | |
| No data available | | | | | |
| Density | | | | | |
| Value | 1.34 | - | 1.48 | g/cm³ | |
| Reference temperature | | | 20 | °C | |
| Source | supplier | | | | |
| Solubility in water | | | | | |
| Source | supplier | | | | |
| Comments | miscible | | | | |
| Calubility | | | | | |
| Solubility No data available | | | | | |
| | | | | | |
| Partition coefficient n-octanol/water (log value) | | | | | |
| No Substance name | | CAS | | | EC no. |
| 1 titanium dioxide; [in powder form containing | | 1346 | 3-67-7 | | 236-675-5 |
| particles with aerodynamic diameter ≤ 10 μm] | | | | | |
| Not applicable Source | ECHA | | | | |
| | | | | | |
| Kinematic viscosity | | | | | |
| Value | 6000 | - | 10000 | m Pa | |
| Reference temperature | | | 20 | °C | |
| Source | supplier | | | | |
| Particle characteristics | | | | | |
| No data available | | | | | |
| | | | | | |

ATTACEII MAKING A DIFFERENCE AROUND THE WORLD EU SAFETY data sheet

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9.2 Other information

Other information

VOC: < 10 %

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

- **10.2** Chemical stability Stable under recommended storage and handling conditions (See section 7).
- 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Protect from heat and direct sunlight. Keep from freezing.

10.5 Incompatible materials

strong acids; strong bases

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information

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

| Acute oral toxicity | | | | |
|---|-----------------|--------------------|-----------------|---------------------|
| No Substance name | | CAS no. | | EC no. |
| 1 titanium dioxide; [in powder form containing 1 | % or more of | 13463-67-7 | | 236-675-5 |
| particles with aerodynamic diameter ≤ 10 μm] | | | | |
| LD50 | > | | 2000 | mg/kg bodyweight |
| Species | rat | | | |
| Method | OECD 401 | | | |
| Source | ECHA | | | |
| Evaluation/classification | Based on availa | able data, the cla | ssification cri | iteria are not met. |
| Acute dermal toxicity | | | | |
| No data available | | | | |
| Acute inhalational toxicity | | | | |
| No Substance name | | CAS no. | | EC no. |
| 1 titanium dioxide; [in powder form containing 1 | % or more of | 13463-67-7 | | 236-675-5 |
| particles with aerodynamic diameter ≤ 10 µm] | | | | |
| LC50 | | | 5.09 | mg/l |
| Duration of exposure | | | 4 | h |
| State of aggregation | Dust | | | |
| Species | rat | | | |
| Method | OECD 403 | | | |
| Source | ECHA | | | |
| Evaluation/classification | Based on availa | able data, the cla | ssification cri | iteria are not met. |
| Skin corrosion/irritation | | | | |
| No Substance name | | CAS no. | | EC no. |
| 1 titanium dioxide; [in powder form containing 1 | % or more of | 13463-67-7 | | 236-675-5 |
| particles with aerodynamic diameter ≤ 10 µm] | | | | |
| Species | rabbit | | | |
| Method | OECD 404 | | | |
| Source | ECHA | | | |
| Evaluation | non-irritant | | | |
| Evaluation/classification | Based on availa | able data, the cla | ssification cri | iteria are not met. |
| Serious eye damage/irritation | | | | |
| No Substance name | | CAS no. | | EC no. |
| 1 titanium dioxide; [in powder form containing 1 | % or more of | | | 236-675-5 |
| particles with aerodynamic diameter \leq 10 µm] | | | | |
| Species | rabbit | | | |
| Method | OECD 405 | | | |
| Source | ECHA | | | |
| Evaluation | non-irritant | | | |
| | non-initiant | | | |



Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

| Eval | uation/classification | Based on availa | able data, the class | ification criteria are not met. |
|----------------|--|-----------------|----------------------|--|
| Resp | piratory or skin sensitisation | | | |
| No | Substance name | | CAS no. | EC no. |
| 1 | titanium dioxide; [in powder form containing 1 particles with aerodynamic diameter ≤ 10 μm] | I % or more of | 13463-67-7 | 236-675-5 |
| Rout | e of exposure | Skin | | |
| Spec | zies | mouse | | |
| Meth | od | OECD 429 | | |
| Sour | ce | ECHA | | |
| Eval | uation | non-sensitizing | | |
| Eval | uation/classification | Based on availa | ble data, the class | ification criteria are not met. |
| Gerr | n cell mutagenicity | - | | |
| | Substance name | | CAS no. | EC no. |
| 1 | titanium dioxide; [in powder form containing 1 | I % or more of | | 236-675-5 |
| - | particles with aerodynamic diameter ≤ 10 μm] | | | |
| | of examination | | lian cytogenicity | |
| Meth | | OECD 487 | | |
| Sour | | ECHA | | |
| | uation/classification | | able data, the class | ification criteria are not met. |
| | e of exposure | oral | | |
| | of examination | | ian somatic cell st | udy: cytogenicity / erythrocyte micronucleus |
| Spec | | rat | | |
| Meth | | OECD 474 | | |
| Sour | ce | ECHA | | |
| Eval | uation/classification | Based on availa | able data, the class | ification criteria are not met. |
| Rep | roduction toxicity | | | |
| | Substance name | | CAS no. | EC no. |
| 1 | titanium dioxide; [in powder form containing 1 | 1 % or more of | | 236-675-5 |
| - | particles with aerodynamic diameter ≤ 10 µm] | | | |
| Rout | e of exposure | oral | | |
| NOA | | >= | | 1000 mg/kg bw/d |
| | of examination | | udies - one genera | 00 |
| Spec | | rat | dales one genere | |
| Meth | | OECD 443 | | |
| Sour | | ECHA | | |
| | uation/classification | - | ble data the class | ification criteria are not met. |
| | e of exposure | oral | | |
| NOA | | Ulai | | 1000 mg/kg bw/d |
| | of examination | Pronatal Develo | opmental Toxicity S | |
| Spec | | rat | | ddy |
| Meth | | OECD 414 | | |
| Sour | | ECHA | | |
| | uation/classification | - | bla data tha class | ification criteria are not met. |
| | | Daseu on avalla | | |
| | inogenicity | | | 50 |
| - | Substance name | | CAS no. | EC no. |
| 1 | titanium dioxide; [in powder form containing 1 particles with aerodynamic diameter ≤ 10 μm] | 1 % or more of | 13463-67-7 | 236-675-5 |
| Rout | e of exposure | oral | | |
| NOE | | orai | | 7500 mg/kg bw/d |
| Spec | | mouse | | ing/kg bw/d |
| Sour | | ECHA | | |
| | uation/classification | - | able data, the class | ification criteria are not met. |
| | | | , | |
| | T - single exposure ata available | | | |
| | | | | |
| | T - repeated exposure | | CAS no. | EC 20 |
| <u>No</u> 1 | Substance name titanium dioxide; [in powder form containing 1 | I % or more of | | EC no. 236-675-5 |
| _ | particles with aerodynamic diameter ≤ 10 μm] | | | |
| | e of exposure | oral | | |
| NOA | | > | | 962 mg/kg bw/d |
| Spec | cies | rat | | · · · · · · · · · · · · · · · · · · · |
| Meth | od | OECD 408 | | |
| Sour | ce | ECHA | | |
| Eval | uation/classification | Based on availa | able data, the class | ification criteria are not met. |
| | e of exposure | inhalational | | |
| | | | | |



EU safety data sheet

Trade name: ArmaProtect ™ ABLC

| Current | t version : 2.0.0, issued: 07.03.2023 | Replaced | version: 1.0.0, issued: 12.7 | 10.2021 | Region: GB |
|----------------------|---|-------------------------------------|---|----------------------------|------------|
| So | ecies ource aluation/classification | rat ECHA Based on availa | able data, the classification | criteria are not met. | |
| | p iration hazard data available | | | | |
| 11.2 | Information on other hazards Endocrine disrupting properties No data available. Other information No data available. | | | | |
| SECT | ΓΙΟΝ 12: Ecological information | | | | |
| 12.1 | Toxicity | | | | |
| | xicity to fish (acute) o data available | | | | |
| То | xicity to fish (chronic) | | | | |
| То | xicity to Daphnia (acute) | | | | |
| | o data available xicity to Daphnia (chronic) | | | | |
| No | o data available | | | | |
| <u>To</u> No 1 | xicity to algae (acute) Substance name titanium dioxide; [in powder form containing 1 particles with aerodynamic diameter ≤ 10 μm] | I % or more of | CAS no. 13463-67-7 | EC no. 236-675-5 | |
| - | 550 Iration of exposure | > | 100 72 | mg/l h | |
| Sp Me | ecies ethod urce | Raphidocelis su OECD 201 ECHA | | п | |
| Ev | aluation/classification | Based on the a | vailable data, the classification | tion criteria are not met. | |
| | xicity to algae (chronic) o data available | | | | |
| | oteria toxicity odata available | | | | |
| 12.2 | Persistence and degradability | | | | |
| Bio | odegradability | | CAS no. | EC no. | |
| 1 | titanium dioxide; [in powder form containing 1 particles with aerodynamic diameter ≤ 10 µm] | I % or more of | | 236-675-5 | |
| | aluation | ECHA Not applicable | for inorganic substances. | | |
| 12.3 | Bioaccumulative potential | | | | |
| Pa | rtition coefficient n-octanol/water (log value) | | CAS no. | EC no. | |
| 1 | titanium dioxide; [in powder form containing 1 particles with aerodynamic diameter ≤ 10 μm] | I % or more of | | 236-675-5 | |
| | t applicable urce | ECHA | | | |
| 12.4 | Mobility in soil No data available. | | | | |
| 12.5 Re | Results of PBT and vPvB assessment | | | | |
| PB | vB assessment | | not considered to be a PBT not considered to be a vPvI | | |
| 12.6 | Endocrine disrupting properties No data available. | | | | |



Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Region: GB

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

dispose of in accordance with local regulation.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

- **14.4** Other information No data available.
- **14.5** Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- 14.6 Special precautions for user No data available.
- 14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU regulations</u>

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

| No | Substance name | CAS no. | EC no. | No | | |
|--|---|------------|-----------|----|--|--|
| 1 | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one | 55965-84-9 | - | 75 | | |
| | and 2-methyl-2H -isothiazol-3-one (3:1) | | | | | |
| 2 | titanium dioxide; [in powder form containing 1 % or more of | 13463-67-7 | 236-675-5 | 75 | | |
| | particles with aerodynamic diameter ≤ 10 µm] | | | | | |
| | | | | | | |
| Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances | | | | | | |

This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information



Trade name: ArmaProtect ™ ABLC

Current version : 2.0.0, issued: 07.03.2023

Replaced version: 1.0.0, issued: 12.10.2021

Region: GB

Sources of key data used to compile the data sheet: Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164. National Threshold Limit Values of the corresponding countries as amended in each case. Transport regulations according to ADR, RID, IMDG, IATA as amended in each case. The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section. Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections) EUH071 Corrosive to the respiratory tract. H301 Toxic if swallowed. H310 Fatal in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H351i Suspected of causing cancer by inhalation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI) If the substance is to be placed on the market as fibres (with diameter $< 3 \mu m$, length $> 5 \mu m$ and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of

| | this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied. |
|---|--|
| W | It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. |
| | This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation. |
| 1 | The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 1999/45/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture. |

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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