| | | | | 00669-1025 | |
|---|----------------------------|--|----------------------|--|-----------|
| | | AIMERI S.P.A | | Revision nr.37 Dated 20/07/2022 Printed on 20/07/2022 | EN |
| 12018 - POLYC | OLOR | 12018 Titanii | um White | Page n. 1 / 10 Replaced revision:36 (Dated 05/10/2021) | |
| | According to An | Safety Data | | to UK REACH | |
| SECTION 1. Identifica | ation of the su | ubstance/mixture and of | the company | /undertaking | |
| 1.1. Product identifier | | | . , | J | |
| Code: Product name | | 12018 POLYCOLOR 12 | 018 Titanium Whit | e | |
| 1.2. Relevant identified uses | of the substance o | or mixture and uses advised agair | st | | |
| Intended use | | Water-based vinylic resin co | lours for artists. N | Not recommended for different uses | |
| 1.3. Details of the supplier of | the safety data sh | leet | | | |
| Name Full address District and Country e-mail address of the comperesponsible for the Safety D | | INDUSTRIA MAIMERI S.P.A. Via Gianni Maimeri, 1 20076 Mediglia Italia Tel. +39 02 906981 Fax +39 02 906989 schedesicurezza@maimeri.i | | (MI) | |
| Supplier: | | INDUSTRIA MAIMERI S.P.A. ITALY | VIA G.MAIMERI 1 | 20076 BETTOLINO DI MEDIGLIA (MI |) |
| 1.4. Emergency telephone nu | ımber | | | | |
| For urgent inquiries refer to | | Australia : 131126 USA: 1 800 222 1222 Regno Unito NHS Direct (UK |): +44 (0) 845 46 4 | 7 | |
| SECTION 2. Hazards identific | ation | | | | |
| 2.1. Classification of the sub | stance or mixture | | | | |
| However, since the product | contains hazardous | uant to the provisions set forth in E0 s substances in concentrations such ant to (EU) Regulation 2020/878. | | | |
| Hazard classification and in | dication: | | | | |
| 2.2. Label elements | | | | | |
| Hazard labelling pursuant to | EC Regulation 127 | 72/2008 (CLP) and subsequent ame | ndments and suppl | ements. | |
| Hazard pictograms: | | | | | |
| Signal words: | | | | | |
| Hazard statements: EUH210 EUH211 EUH208 | Warning! Haza Contains: | eet available on request. rdous respirable droplets may be for Mixture of : 5-cloro-2-metil-2H-isoti [EC no. 220-239-6] (3:1) n allergic reaction. | | l. Do not breathe spray or mist. 247-500-7]; 2-metil-2H-isotiazol-3-one | |
| Precautionary statements: | | | | | |
| 2.3. Other hazards | | | | | |
| | | | | @EPY 11.3.0 - SD | S 1004 14 |
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SECTION 2. Hazards identification ... / >>

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On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq 0.1\%$.

x = Conc. %

SECTION 3. Composition/information on ingredients

3.2. Mixtures

| Contains: |
|-----------|
| oontains. |

Identification

Classification (EC) 1272/2008 (CLP)

| | | 022-006-00-2 | 30 ≤ x < 32,5 | Carc. 2 H351, Classification note according to Annex VI to the CLP |
|---|---------------|--------------------|-----------------------|--|
| CAS 13463-67-7 Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1) INDEX 613-167-00-5 0 ≤ x < 0,0015 | | | | Regulation: 10, V, W |
| Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1) INDEX 613-167-00-5 0 ≤ x < 0,0015 Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute Aquatic Chronic 1 H410 M=1 | | 236-675-5 | | |
| INDEX 613-167-00-5 0 ≤ x < 0,0015 Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute Aquatic Chronic 1 H410 M=1 | S | 13463-67-7 | | |
| H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute Aquatic Chronic 1 H410 M=1 | ture of : 5-0 | cloro-2-metil-2H-i | sotiazol-3-one [EC no | . 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1) |
| Aquatic Chronic 1 H410 M=1 | DEX | 613-167-00-5 | 0 ≤ x < 0,0015 | Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Skin Corr. 1B |
| • | | | | H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, |
| EC 247-500-7 Skin Sens. 1 H317: ≥ 0,0015% | | | | Aquatic Chronic 1 H410 M=1 |
| | | 247-500-7 | | Skin Sens. 1 H317: ≥ 0,0015% |
| CAS 55965-84-9 STA Oral: 100 mg/kg. STA Dermal: 300 mg/kg. LC50 Inhala | S | 55965-84-9 | | STA Oral: 100 mg/kg, STA Dermal: 300 mg/kg, LC50 Inhalation vapours: 4 |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again. INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

| DNK ESP | Danmark España | Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019 Límites de exposición profesional para agentes químicos en España 2021 |
|------------|-------------------|--|
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| GRC | Ελλάδα | Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ''σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία''» |
| ITA | Italia | Decreto Legislativo 9 Aprile 2008, n.81 |
| NOR | Norge | Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255 |
| POL | Polska | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy |
| ROU | România | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006 |
| SWE | Sverige | Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1) |
| | | |

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SECTION 8. Exposure controls/personal protection ... / >>

GBR

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020) ACGIH 2021

ACGIH AC

TITANIUM DIOXIDE [in powder form contain-ing 1 % or more of particles with aerodynamic dia-meter ≤ 10

| | μmj | | | | |
|-----------------|---------|-----------------|-----|-------------------------|------------------------|
| Threshold Limit | Value | | | | |
| Туре | Country | TWA/8h mg/m3 | ppm | STEL/15min mg/m3 ppm | Remarks / Observations |
| TLV | DNK | 6 | | | Som Ti |
| VLA | ESP | 10 | | | |
| VLEP | FRA | 10 | | | |
| TLV | GRC | | 10 | | |
| TLV | NOR | 5 | | | |
| NDS/NDSCh | POL | 10 | | | INHAL |
| TLV | ROU | 10 | | 15 | |
| NGV/KGV | SWE | 5 | | | Totaldamm |
| WEL | GBR | 10 | | | INHAL |
| WEL | GBR | 4 | | | RESP |
| TLV-ACGIH | | 0,2 | | | RESP |
| | | | | | |

Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6]

(3:1) Threshold Limit Value

| Inresnoid Limit V | /aiue | | | | | | | | |
|--------------------|-----------------|---------------|--------------|------------------|---------------------|-----------------|-------------------|------------------|---------------------|
| Туре | Country | TWA/8h | | STEL/15 | min | Remarks / Ob | servations | | |
| | | mg/m3 | ppm | mg/m3 | ppm | | | | |
| VLEP | ITA | 0,076 | | 0,23 | | | | | |
| Predicted no-effe | ct concentra | ation - PNEC | > | | | | | | |
| Normal value ir | n fresh water | | | | | | 3,39 | µg/l | |
| Normal value ir | n marine wate | er | | | | | 3,39 | µg/l | |
| Normal value fo | or fresh water | r sediment | | | | | 27 | µg/kg/d | |
| Normal value fo | or marine wat | ter sediment | | | | | 27 | µg/kg/d | |
| Normal value fo | or water, inter | mittent relea | ise | | | | 3,39 | µg/l | |
| Normal value o | f STP microo | organisms | | | | | 230 | µg/l | |
| Normal value for | or the terrestr | ial compartm | nent | | | | 10 | µg/kg/d | |
| Health - Derived r | no-effect lev | el - DNEL / [| DMEL | | | | | | |
| | Effe | cts on consu | mers | | | Effects on work | ers | | |
| Route of expos | ure Acu loca | | ite temic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | 110 μg/ł | kg bw/d | | 90 µg/kg bw/d | | | | |
| Inhalation | 40 | | | 20 | | 40 | | 20 | |
| | µg/n | n3 | | µg/m3 | | µg/m3 | | µg/m3 | |
| Skin | | | | | | | | 20 | |
| | | | | | | | | | |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a

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SECTION 8. Exposure controls/personal protection ... / >>

type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties Appearance Colour Odour Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Upper explosive limit Decomposition temperature Decomposition temperature PH Kinematic viscosity Solubility Partition coefficient: n-octanol/water Vapour pressure Density and/or relative density Relative vapour density Particle characteristics 9.2. Other information 9.2.1. Information with regard to physical hazard clauding Information not available | Value paste white SLIGHTLY AMMONIA 0 °C not available not available not available not available 0 °C 0 °C not available >20,5 mm2/sec (40°C) INSOLUBLE, DILUTE WITH WATER not available not available not available not available not available not available not available | Information |
|--|--|--------------------------|
| 9.2.2. Other safety characteristics VOC (Directive 2010/75/EU) | 4,86 % - 76,79 g/litre | |
| VOC (volatile carbon) | 4,78 % - 75,49 g/litre | |
| SECTION 10. Stability and reactivity | | |
| 10.1. Reactivity | | |
| There are no particular risks of reaction with other su | ubstances in normal conditions of use. | |
| 10.2. Chemical stability | | |
| The product is stable in normal conditions of use and | d storage. | |
| 10.3. Possibility of hazardous reactions | | |
| No hazardous reactions are foreseeable in normal c | conditions of use and storage. | |
| 10.4. Conditions to avoid | | |
| None in particular. However the usual precautions u | used for chemical products should be respecte | ed. |
| | | ■EPY 11.3.0 - SDS 1004.1 |
| | | |

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SECTION 10. Stability and reactivity / >>

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

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

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)

TITANIUM DIOXIDE [in powder form contain-ing 1 % or more of particles with aerodynamic dia-meter ≤ 10 μm] LD50 (Oral): > 10000 mg/kg Rat

| Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. | . 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1) |
|---|---|
| LD50 (Dermal): | 4,471 mg/kg |
| STA (Dermal): | 300 mg/kg estimate from table 3.1.2 of Annex I of the CLP |
| | (figure used for calculation of the acute toxicity estimate of the mixture) |
| LD50 (Oral): | 4,075 mg/kg |
| LC50 (Inhalation vanours): | 4 mg/l/4h |

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains:

Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1)

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

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SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

TITANIUM DIOXIDE [in powder form contain-ing 1 % or more of particles with aerodynamic dia-meter \leq 10 µm] The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter \leq 10 µm.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: >20,5 mm2/sec (40°C)

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1)EC50 - for Crustacea18,53 mg/l/48hEC50 - for Algae / Aquatic Plants3,02 mg/l/72hChronic NOEC for Crustacea0,04 mg/l

12.2. Persistence and degradability

TITANIUM DIOXIDE [in powder form contain-ing 1 % or more of particles with aerodynamic dia-meter ≤ 10 μm] Solubility in water < 0,001 mg/l Degradability: information not available

12.3. Bioaccumulative potential

Mixture of : 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1) Partition coefficient: n-octanol/water -0,75 Log Kow

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID 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

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU:

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Contained substance Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

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SECTION 15. Regulatory information / >>

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None

Substances subject to the Rotterdam Convention:

None

None

Substances subject to the Stockholm Convention:

Healthcare controls

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| Carc. 2 | Carcinogenicity, category 2 |
|-------------------|--|
| Acute Tox. 3 | Acute toxicity, category 3 |
| Skin Corr. 1B | Skin corrosion, category 1B |
| Skin Sens. 1 | Skin sensitization, category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute toxicity, category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| H351 | Suspected of causing cancer. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| EUH210 | Safety data sheet available on request. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| | |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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SECTION 16. Other information ... / >>

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- Regulation (EU) 618/2012 (III Ap. CLP) of the European Parliament
 Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified: 02/03/08/09/11/12/15/16.

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