Grigolin evoluzioni costruttive

FORNACI CALCE GRIGOLIN S.p. A.

UNI-KA

Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 1 / 11
Replaced revision:11 (Dated 21/12/2021)

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878

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

1.1. Product identifier

Code: 137051
Product name UNI-KA

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

Intended use Water based acrylic paint with medium grain and algaecide for externals.

Identified UsesIndustrialProfessionalConsumerPaintings / Coatings-PROC: 10, 11.PROC: 10, 11.

Ises Advised Against

All uses other than painting in construction

1.3. Details of the supplier of the safety data sheet

Name FORNACI CALCE GRIGOLIN S.p. A.

Full address Via Foscarini, 2

District and Country 31040 Nervesa della Battaglia (TV)

Italy

Tel. +39 0422 5261 Fax +39 0422 526299

e-mail address of the competent person

responsible for the Safety Data Sheet info@fornacigrigolin.it

1.4. Emergency telephone number

For urgent inquiries refer to HEALTH EMERGENCY - 112

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Hazardous to the aquatic environment, chronic toxicity, H412 Harmful to aquatic life with long lasting effects.

category 3

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: -

Signal words: --

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains: 1,2-Benzisothiazol-3 (2H) -one
2-octyl-2H-isothiazol-3-one

Mixture 3: 1 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

May produce an allergic reaction.

Precautionary statements:

P501 Dispose of contents / container in conformity to the national regulation.

P273 Avoid release to the environment.



ΕN Revision nr.12 Dated 21/12/2021 Printed on 21/12/2021 Page n. 2 / 11 Replaced revision:11 (Dated 21/12/2021)

SECTION 2. Hazards identification

Contains: terhutrin

2-octyl-2H-isothiazol-3-one

Zinc pyrithione

VOC (Directive 2004/42/EC):

Coatings for exterior walls of mineral substrate.

VOC given in g/litre of product in a ready-to-use condition: 0,79 Limit value: 40.00 - Thinned with : 25.00 % WATER

2.3. Other hazards

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 >= 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

Crystalline free silica (respirable fraction)

14808-60-7 **STOT RE 2 H373** CAS 1 ≤ x < 5

238-878-4 EC

INDEX Zinc pyrithione

13463-41-7 Acute Tox. 2 H330, Acute Tox. 3 H301, Eye Dam. 1 H318, Aquatic Acute 1 H400 CAS $0 \le x < 0.025$

M=100, Aquatic Chronic 1 H410 M=10

EC 236-671-3 STA Oral: 100 mg/kg, STA Inhalation vapours: 0,501 mg/l, STA Inhalation

mists/powders: 0,051 mg/l, STA Inhalation gas: 100 ppm

INDEX

terbutrin

CAS 886-50-0 $0.0025 \le x < 0.025$ Acute Tox. 4 H302. Skin Sens. 1B H317. Aquatic Acute 1 H400 M=100. Aquatic

Chronic 1 H410 M=100 EC

212-950-5 STA Oral: 500 mg/kg

INDEX

EC

2-octyl-2H-isothiazol-3-one

CAS 26530-20-1 $0,0025 \le x < 0,025$ Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1 H314, Eye

Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic

1 H410 M=100

Skin Sens. 1A H317: ≥ 1%

INDEX STA Oral: 100 mg/kg, STA Dermal: 300 mg/kg, STA Inhalation vapours: 0,501 613-112-00-5

mg/l, STA Inhalation mists/powders: 0,051 mg/l, STA Inhalation gas: 100 ppm

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

247-761-7

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

Information not available



Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 3 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 4. First aid measures .../>>

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

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



UNI-KA

Revision nr.12
Dated 21/12/2021
Printed on 21/12/2021
Page n. 4 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

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.

EVE 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 type B 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 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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

PropertiesValueInformationAppearancepasty liquid

Colour White and chart colors
Odour characteristic
Melting point / freezing point Not available
Initial boiling point 100 °C
Flammability not flammable

Lower explosive limit
Upper explosive limit
Upper explosive limit
Flash point
Flash point
Not available
Not available
Not available
Not available
Not available

pH 8 - 9
Kinematic viscosity Not available
Dynamic viscosity 18000 - 22000 Cps

Solubility completely dispersible in water

Partition coefficient: n-octanol/water
Vapour pressure
Density and/or relative density
Relative vapour density
Particle characteristics
Not available
Not available
Not applicable

9.2. Other information

Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 5 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 9. Physical and chemical properties .../>>

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC): 0,06 % - 0,99 g/litre

Explosive properties not applicable
Oxidising properties not applicable
Granulometry 0.3 mm

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

Crystalline free silica (respirable fraction)

Stable in normal conditions of use and storage.

Zinc pyrithione

Stable in normal conditions of use and storage.

terbutrin

Stable in normal conditions of use and storage.

2-octyl-2H-isothiazol-3-one

Stable in normal conditions of use and storage.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

Crystalline free silica (respirable fraction)

Stable in normal conditions of use and storage.

Zinc pyrithione

Stable in normal conditions of use and storage.

terbutrin

Stable in normal conditions of use and storage.

2-octyl-2H-isothiazol-3-one

Stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

Crystalline free silica (respirable fraction)

Stable in normal conditions of use and storage.

Zinc pyrithione

Stable in normal conditions of use and storage.

terbutrin

Stable in normal conditions of use and storage.

2-octyl-2H-isothiazol-3-one

Stable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

Crystalline free silica (respirable fraction)

Avoid exposure to: high temperatures.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available



Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 6 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 11. Toxicological information

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

Information not available

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)

Zinc pyrithione

STA (Oral): 100 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)
STA (Inhalation mists/powders): 0,051 mg/l estimate from table 3.1.2 of Annex I of the CLP

(final auton mists/powders). U,001 mg/r estimate nom table 3.1.2 of America to the CEP

(figure used for calculation of the acute toxicity estimate of the mixture)
STA (Inhalation vapours): 0,501 mg/l estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

STA (Inhalation gas): 100 ppm estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

terbutrin

STA (Oral): 500 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)

2-octyl-2H-isothiazol-3-one

STA (Oral): 100 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)

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)
STA (Inhalation mists/powders): 0,051 mg/l estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

STA (Inhalation vapours): 0,501 mg/l estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

STA (Inhalation gas): 100 ppm estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

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:



UNI-KA

Revision nr.12
Dated 21/12/2021
Printed on 21/12/2021
Page n. 7 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 11. Toxicological information .../>>

1,2-Benzisothiazol-3 (2H) -one

2-octyl-2H-isothiazol-3-one

Mixture 3: 1 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

Skin sensitization

2-octyl-2H-isothiazol-3-one

Sensitization: non-sensitization based on the results of similar tested mixtures, applying bridging principles in accordance with Article 9 (4) of the CLP Regulation. Study result: Sensitization OECD 429 (LLNA) (mouse) non-sensitizing - S4565, S4568, S4578, S5146, S5147.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

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

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

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

2-octyl-2H-isothiazol-3-one

 LC50 - for Fish
 0,036 mg/l/96h

 EC50 - for Crustacea
 0,42 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 0,084 mg/l/72h

 Chronic NOEC for Fish
 0,022 mg/l

 Chronic NOEC for Crustacea
 0,002 mg/l

 Chronic NOEC for Algae / Aquatic Plants
 0,004 mg/l

Zinc pyrithione

 LC50 - for Fish
 0,0104 mg/l/96h

 EC50 - for Crustacea
 0,051 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 0,051 mg/l/72h

 Chronic NOEC for Fish
 0,00125 mg/l

 Chronic NOEC for Crustacea
 0,0022 mg/l

 Chronic NOEC for Algae / Aquatic Plants
 0,0149 mg/l

12.2. Persistence and degradability

terbutrin

NOT rapidly degradable



Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 8 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 12. Ecological information .../>>

2-octyl-2H-isothiazol-3-one

Degradability: information not available

Zinc pyrithione Rapidly degradable

12.3. Bioaccumulative potential

terbutrin

Partition coefficient: n-octanol/water 3,19 Log Kow

2-octyl-2H-isothiazol-3-one

Partition coefficient: n-octanol/water 2,92 Log Kow

Zinc pyrithione

Partition coefficient: n-octanol/water 1,21 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 ≥ 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

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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

UNI-KA

Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 9 / 11
Replaced revision:11 (Dated 21/12/2021)

OINI-KA

SEC	CTION	14. T	ransport	t inf	format	ion	/ >>

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

Seveso Category - Directive 2012/18/EC: None

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

Product

Point

Contained substance

Point 75

Regulation (EC) No. 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 ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

VOC (Directive 2004/42/EC):

Coatings for exterior walls of mineral substrate.

15.2. Chemical safety assessment

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

This safety data sheet contains one or more Exposure Scenarios in an integrated form. Contents have been included in sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.



UNI-KA

Revision nr.12 EN
Dated 21/12/2021
Printed on 21/12/2021
Page n. 10 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 16. Other information

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

Acute Tox. 2 Acute toxicity, category 2
Acute Tox. 3 Acute toxicity, category 3
Acute Tox. 4 Acute toxicity, category 4

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Skin Corr. 1Skin corrosion, category 1Eye Dam. 1Serious eye damage, category 1Skin Sens. 1ASkin sensitization, category 1ASkin Sens. 1BSkin sensitization, category 1B

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H330 Fatal if inhaled.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H302 Harmful if swallowed.

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

H314 Causes severe skin burns and eye damage.

H318 Causes serious 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.H412 Harmful to aquatic life with long lasting effects.

Use descriptor system:

PROC 10 Roller application or brushing PROC 11 Non industrial spraying

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament



UNI-KA

Revision nr.12
Dated 21/12/2021
Printed on 21/12/2021
Page n. 11 / 11
Replaced revision:11 (Dated 21/12/2021)

SECTION 16. Other information .../>>

- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. 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)
- 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:

03 / 11 / 12 / 15.