

VITEX S.A.

ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 1 / 10

Replaced revision:6 (Dated 20/04/2022)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Product name ACRYLIC PUTTY

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

Intended use Acrylic putty

1.3. Details of the supplier of the safety data sheet

Name VITEX S.A. Full address IMEROS TOPOS

District and Country 19300 ASPROPYRGOS (ATTIKI)

GREECE

Tel. (0030) 2105589400 Fax (0030) 2105597859

e-mail address of the competent person

responsible for the Safety Data Sheet vitexlab@vitex.gr

Supplier: VITEX S.A

1.4. Emergency telephone number

For urgent inquiries refer to (0030) 2105589400

(0030) 2107793777 Emergency number Greece 24/7

1401 Cyprus

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data

sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication:

2.2. Label elements

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

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH210 Safety data sheet available on request.

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

EUH208 Contains: 5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)

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

May produce an allergic reaction.

Precautionary statements:

P102 Keep out of reach of children.

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

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER / doctor / . . . / if you feel unwell.



ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 2 / 10

Replaced revision:6 (Dated 20/04/2022)

SECTION 2. Hazards identification .../>>

VOC (Directive 2004/42/EC):

Primers

VOC given in g/litre of product in a ready-to-use condition : 29,00 Limit value: 30,00

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 (EC) 1272/2008 (CLP)

HYDROCARBONS, C9-C12, n-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

INDEX 0,5 ≤ x < 1 Flam. Liq. 3 H226, STOT RE 1 H372, Asp. Tox. 1 H304, STOT SE 3 H336,

Aquatic Chronic 2 H411, EUH066

EC 919-446-0 CAS 64742-82-1

REACH Reg. 01-2119458049-XXXX

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

INDEX 613-088-00-6 0 ≤ x < 0,0359 Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315,

Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 220-120-9 Skin Sens. 1A H317: ≥ 0,036%

CAS 2634-33-5 ATE Oral: 500 mg/kg, ATE Inhalation vapours: 0,501 mg/l

5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)

INDEX 613-167-00-5 $0 \le x < 0.00149$ Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C

H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100,

Aquatic Chronic 1 H410 M=100, EUH071

EC Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318:

≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%

CAS 55965-84-9 ATE Oral: 100 mg/kg, ATE Dermal: 50,001 mg/kg, ATE Inhalation vapours:

0,501 mg/l, ATE Inhalation mists/powders: 0,051 mg/l

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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.





ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 3 / 10

Replaced revision:6 (Dated 20/04/2022)

SECTION 5. Firefighting measures .../>>

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



ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 4 / 10 Replaced revision:6 (Dated 20/04/2022)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

EU OEL EU

Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/FFC

	HYDR	OCARBONS, (C9-C12, n-/	ALKANES	S, ISOALKANE	S, CYCLICS,	AROMATICS (2-2	.5%)	
Threshold Limit \	Value								
Туре	Country	ntry TWA/8h		STEL/15min		Remarks / Observations			
		mg/m3	ppm		mg/m3	ppm			
OEL	EU	350							
Health - Derived	no-effect lev	el - DNEL / DN	1EL						
Eff		ects on consumers				Effects on workers			
Route of expos	sure Acu	te Acute		Chronic	Chronic	Acute loc	al Acute	Chronic	Chronic
	loca	al syster	nic	local	systemic		systemic	local	systemic
Oral				VND	26				
					mg/kg/d				
Inhalation				VND	71			VND	330
					mg/m3				mg/m3
Skin				VND	26			VND	44
					mg/kg/d				mg/kg/d

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.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time. 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 ISO 16321).

RESPIRATORY PROTECTION

Melting point / freezing point

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. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

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

PropertiesValueInformationAppearancepasty liquidColourwhiteOdourcharacteristic

not available

ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 5 / 10

Replaced revision:6 (Dated 20/04/2022)

ΕN

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

Initial boiling point 100 °C Flammability not available Lower explosive limit not available Upper explosive limit not available Flash point 93 °C not available Auto-ignition temperature Decomposition temperature not available

pH 7-9

Kinematic viscosity 210-220 cm²/s

Dynamic viscosity 370.000-800.000 cP
Solubility not available
Partition coefficient: n-octanol/water not available
Vapour pressure not available

Density and/or relative density 1,7-1,9 kg/l

Relative vapour density not available Particle characteristics not applicable

Method:Theoretical Calculation from Dynamic Viscosity
Method:Brookfield RVDV II Spindle VII Speed V

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

The product is 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.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

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

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



VITEX S.A.

ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 6 / 10 Replaced revision:6 (Dated 20/04/2022)

SECTION 11. Toxicological information _.../>>

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

ATE (Oral) of the mixture:

Not classified (no significant component)

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

HYDROCARBONS, C9-C12, n-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

LD50 (Oral): > 5000 mg/kg Rat LC50 (Inhalation vapours): > 20 mg/l/4h Rat

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

LD50 (Dermal): > 1,221 mg/kg 1,2-benziosothiazolin-3-one LD50 (Oral): > 2,175 mg/kg 1,2-benziosothiazolin-3-one

LC50 (Inhalation vapours): 0,5 mg/l

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:

5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)

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

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 Viscosity: 210-220 cm²/s

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.



ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 7 / 10

Replaced revision:6 (Dated 20/04/2022)

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

5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)

EC50 - for Crustacea > 0,018 mg/l/48h

Chronic NOEC for Fish 0,5 mg/l

HYDROCARBONS, C9-C12, n-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

 LC50 - for Fish
 > 1 mg/l/96h

 EC50 - for Crustacea
 > 1 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 > 1 mg/l/72h

Chronic NOEC for Fish > 0,1 mg/l based on modeled data Chronic NOEC for Crustacea > 0,1 mg/l based on test data

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

LC50 - for Fish > 2,18 mg/l/96h 1,2-benziosothiazolin-3-one Oncorhynchus mykiss OECD Test

Guideline 203

EC50 - for Crustacea > 2,94 mg/l/48h 1,2-benziosothiazolin-3-one Daphnia magna OECD Test Guideline

202

EC50 - for Algae / Aquatic Plants > 0,11 mg/l/72h 1,2-benziosothiazolin-3-one Pseudokirchneriella subcapitata OECD

Test Guideline 201

12.2. Persistence and degradability

HYDROCARBONS, C9-C12, n-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%) Rapidly degradable

12.3. Bioaccumulative potential

HYDROCARBONS, C9-C12, n-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

Partition coefficient: n-octanol/water 3,7

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

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.



ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 8 / 10 Replaced revision:6 (Dated

Replaced revision:6 (Dated 20/04/2022)

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:

None

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

Product

Point 40
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 ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None



VITEX S.A.

ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 9 / 10

Replaced revision:6 (Dated 20/04/2022)

SECTION 15. Regulatory information .../>

<u>Healthcare controls</u> Information not available

VOC (Directive 2004/42/EC):

Primers

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:

Flam. Liq. 3 Flammable liquid, category 3
Acute Tox. 2 Acute toxicity, category 2
Acute Tox. 3 Acute toxicity, category 3
Acute Tox. 4 Acute toxicity, category 4

STOT RE 1 Specific target organ toxicity - repeated exposure, category 1

Asp. Tox. 1
Skin Corr. 1C
Skin corrosion, category 1
Skin Irrit. 2
Skin Sens. 1A

Aspiration hazard, category 1
Skin corrosion, category 1
Skin corrosion, category 1
Skin corrosion, category 1
Skin corrosion, category 1
Skin sensitization, category 2
Skin sensitization, category 1A

STOT SE 3 Specific target organ toxicity - single exposure, category 3

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 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H226 Flammable liquid and vapour.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.
H301 Toxic if swallowed.
H302 Harmful if swallowed.

H372 Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH071 Corrosive to the respiratory tract.
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
- PEC: Predicted environmental Concentration



VITEX S.A.

ACRYLIC PUTTY

Revision nr.7 Dated 20/05/2024 Printed on 02/09/2024 Page n. 10 / 10

Replaced revision:6 (Dated 20/04/2022)

SECTION 16. Other information .../>>

- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- 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
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 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)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- 23. Delegated Regulation (UE) 2023/707
- 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 / 09.