

Safety Data Sheet

Compliant with REACH Annex II - Regulation (EU) 2020/878

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

1.1. Product identifier

Code: **V71046**
Name: **PUZZLE GLUE**

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

Description /Use: **Glue for puzzles to be used in playful activities**

1.3. Information on the supplier of the safety data sheet

Company: **CLEMENTONI SPA**
Address: **ZONA INDUSTRIALE FONTENOCE
62019 RECANATI (MC)
ITALIA**
tel.: **07175811**
fax: **071758123**

e-mail of the competent person responsible
for the safety data sheet: **info@clementoni.it**

Responsible for placing on the market: **Reparto Tecnico**

1.4. Emergency telephone number (Italy)

For urgent information contact:

**Centro Antiveleni - Osp. Pediatrico Bambino Gesù - Dip. Emergenza e Accettazione
DEA - Roma - Tel. 06 68593726**
Centro Antiveleni - Azienda Ospedaliera Universitaria - Foggia - Tel. 800183459
Centro Antiveleni - Azienda Ospedaliera A. Cardarelli - Napoli - Tel. 081 5453333
Centro Antiveleni - Policlinico Umberto I - Roma - Tel. 06 49978000
Centro Antiveleni - Policlinico A. Gemelli - Roma - Tel. 06 3054343
**Centro Antiveleni - Azienda Ospedaliera Careggi U.O. Tossicologia Medica - Firenze
- Tel. 055 7947819**
**Centro Antiveleni - Centro Nazionale di Informazione Tossicologica - Pavia - Tel.
0382 24444**
Centro Antiveleni - Ospedale Niguarda Cà Granda - Milano - Tel. 02 66101029
**Centro Antiveleni - Azienda Ospedaliera Papa Giovanni XXII - Bergamo - Tel.
800883300**
Centro Antiveleni - Azienda Ospedaliera Integrata Verona - Verona - Tel. 800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as dangerous in accordance with the provisions of Regulation (EC) 1272/2008 (CLP).
However, since the product contains dangerous substances in concentrations such as to be declared in section 3, it requires a safety data sheet with adequate information, in compliance with Regulation (EU) 2020/878.

Hazard classification and indications: --

2.2. Label elements

Hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms: --

Warnings: --

Hazard statements:

EUH210
EUH208

Safety data sheet available on request.

Contains: mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1)
1,2-benzisothiazol-3(2H)-one

	CLEMENTONI SPA V71046 - PUZZLE GLUE	Revision n.1 Revision date 11/07/2023 New emission Printed 07/11/2023 Page no. 2 / 10 EN																																	
SECTION 2. Hazards identification ... / >>																																			
May produce an allergic reaction. Precautionary advice: --																																			
2.3. Other dangers Based on available data, the product does not contain PBT or vPvB substances in a percentage ≥ 0.1%. The product does not contain substances having endocrine disrupting properties in concentration ≥ 0.1%.																																			
SECTION 3. Composition / information on ingredients																																			
3.1. Substance Not relevant information																																			
3.2. Mixture Contains: <table> <tr> <th>Identification</th><th>x = Conc. %</th><th>Classification 1272/2008 (CLP)</th></tr> <tr> <td colspan="3">1,2-benzisothiazol-3(2H)-one</td></tr> <tr> <td>INDEX 613-088-00-6</td><td>0,005 ≤ x < 0,05</td><td>Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1</td></tr> <tr> <td>CE 220-120-9</td><td></td><td>Skin Sens. 1 H317: ≥ 0,05%</td></tr> <tr> <td>CAS 2634-33-5</td><td></td><td>STA Orale: 500 mg/kg</td></tr> <tr> <td>Reg. REACH 01-2120761540-60</td><td></td><td></td></tr> <tr> <td colspan="3">mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1)</td></tr> <tr> <td>INDEX 613-167-00-5</td><td>0,0001 ≤ x < 0,0015</td><td>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, Nota di classificazione secondo l'allegato VI del Regolamento CLP: B</td></tr> <tr> <td>CE 911-418-6</td><td></td><td>Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%</td></tr> <tr> <td>CAS 55965-84-9</td><td></td><td>LD50 Orale: 66 mg/kg, LD50 Cutanea: 87,12 mg/kg, STA Inalazione vapori: 0,501 mg/l</td></tr> <tr> <td>Reg. REACH 01-2120764691-48</td><td></td><td></td></tr> </table> The complete text of the danger indications (H) is given in section 16 of the sheet.			Identification	x = Conc. %	Classification 1272/2008 (CLP)	1,2-benzisothiazol-3(2H)-one			INDEX 613-088-00-6	0,005 ≤ x < 0,05	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1	CE 220-120-9		Skin Sens. 1 H317: ≥ 0,05%	CAS 2634-33-5		STA Orale: 500 mg/kg	Reg. REACH 01-2120761540-60			mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1)			INDEX 613-167-00-5	0,0001 ≤ x < 0,0015	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, Nota di classificazione secondo l'allegato VI del Regolamento CLP: B	CE 911-418-6		Skin Corr. 1C H314: ≥ 0,6%, 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		LD50 Orale: 66 mg/kg, LD50 Cutanea: 87,12 mg/kg, STA Inalazione vapori: 0,501 mg/l	Reg. REACH 01-2120764691-48		
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SECTION 4. First aid measures																																			
4.1. Description of first aid measures EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 30/60 minutes, opening the eyelids wide. Consult a doctor immediately. SKIN: Take off all contaminated clothing. Take a shower immediately. Consult a doctor immediately. INGESTION: Drink as much water as possible. Consult a doctor immediately. Do not induce vomiting unless specifically authorized by your doctor. INHALATION: Call a doctor immediately. Move the person to fresh air away from the scene of the accident. If breathing stops, give artificial respiration. Take appropriate precautions for the rescuer.																																			
4.2. Most important symptoms and effects, both acute and delayed No specific information on symptoms and effects caused by the product is known.																																			
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 MEANS

The extinguishing means are the traditional ones: carbon dioxide, foam, powder and nebulised water.

UNSUITABLE EXTINGUISHING MEANS

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially dangerous to health.

Always wear full fire protection gear. Collect extinguishing water which must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to the regulations in force.

EQUIPMENT

Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and firefighter boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.

Wearing of suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for those involved in the work and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

6.3. Methods and material for containment and cleaning up

Suck the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Provide sufficient ventilation of the place affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding individual protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6]
(3:1)

Predicted no-effect concentration for the environment - PNEC

Reference value in fresh water	0,0034	mg/l
Reference value in sea water	0,0034	mg/l
Reference value for sediments in fresh water	0,027	mg/kg/d
Reference value for sediments in marine water	0,027	mg/kg/d
Reference value for water, intermittent release	0,0034	mg/l
Reference value for STP microorganisms	0,23	mg/l
Reference value for the terrestrial compartment	0,01	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Exposure route	Effects on consumers				Effects on workers			
	Local acute	Systemic acute	Local chronic	Systemic chronic	Local acute	Systemic acute	Local chronic	Systemic chronic
Oral		0,11 mg/kg bw/d		0,09 mg/kg bw/d				
Inhalation	0,04 mg/m3		0,02 mg/m3		0,04 mg/m3		0,02 mg/m3	

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected; NPI = no hazard identified ; LOW = low danger ; MED = medium danger; HIGH = high danger.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local aspiration.

HAND PROTECTION

Protect your hands with category III work gloves.

For the final choice of work glove material (ref. standard EN 374) the following must be considered: compatibility, degradation, breaking time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it cannot be foreseen. Gloves have a wear time that depends on the duration and method of use.

SKIN PROTECTION

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

EYE PROTECTION

It is advisable to wear airtight protective goggles (ref. standard EN 166).

RESPIRATORY PROTECTION

Not necessary, unless otherwise indicated in the chemical risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	liquid	
Color	white	
Odor	acetic acid	
Melting or freezing point	Not applicable	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> 93 °C	
Self-ignition temperature	not available	
Decomposition temperature	not available	
pH	3-5	
Kinematic viscosity	> 20,5 mm2/s	
Dynamic viscosity	5000-7000 mPa s	

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SECTION 9. Physical and chemical properties ... / >>		
Solubility Partition coefficient: n-octanol/water: Vapor pressure Density and/or Relative Density Relative vapor density Particle characteristics	miscible in water not available 24 mBar 1,0-1,1 g/cm3 not available Not applicable	
9.2. Other information 9.2.1. Information relating to classes of physical hazards . Information not available 9.2.2. Other security features 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 under normal conditions of use and storage.		
10.3. Possibility of hazardous reactions In normal conditions of use and storage no dangerous reactions are foreseeable.		
10.4. Conditions to avoid None in particular. However, follow the usual precautions against chemicals.		
10.5. Incompatible materials Information not available		
10.6. Hazardous decomposition products Information not available		
SECTION 11. Toxicological information		
In the absence of experimental toxicological data on the product itself, the possible dangers of the product for health have been evaluated on the basis of the properties of the substances contained, according to the criteria established by the reference legislation for classification. Therefore, consider the concentration of the individual dangerous substances possibly mentioned in sec. 3, to evaluate the toxicological effects deriving from exposure to the product.		
11.1. Information on the hazard classes defined in Regulation (EC) No. 1272/2008 Metabolism, kinetics, mechanism of action and other information Information not available Information on likely routes of exposure Information not available Immediate, delayed and chronic effects resulting from short and long term exposure Information not available Interactive effects Information not available		

SECTION 11. Toxicological information ... / >>**ACUTE TOXICITY**

ATE (Inhalation) of the mixture:	Not classified (no relevant component)
ATE (Oral) of the mixture:	Not classified (no relevant component)
ATE (Dermal) of the mixture:	Not classified (no relevant component)

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1)	
LD50 (Dermal):	87,12 mg/kg rabbit
LD50 (Oral):	66 mg/kg rat
LC50 (Inhalation of vapours):	0,171 mg/m ³ /4h rat

SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

May cause an allergic reaction.

Contains:

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. EC 220-239-6] (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

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

DANGER IN CASE ON ASPIRATION

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under assessment

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1)	
LC50 - Fish	0,22 mg/l/96h oncorhynchus mykiss
EC50 - Crustaceans	0,12 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	0,0052 mg/l/72h skeletonema costatum
Chronic NOEC Pisces	0,098 mg/l oncorhynchus mykiss
Chronic NOEC Crustaceans	0,0036 mg/l daphnia magna
Chronic NOEC Algae / Aquatic Plants	0,00064 mg/l skeletonema costatum

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SECTION 12. Ecological information ... / >>			
12.2. Persistence and degradability			
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1) Inherently degradable			
12.3. Bioaccumulation potential			
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [n. CE 247-500-7]; 2-methyl-2H-isothiazol-3-one [n. CE 220-239-6] (3:1) BCF3,6 -			
12.4. Mobility in soil			
Information not available			
12.5. Results of PBT and vPvB assessment			
Based on available data, the product does not contain PBT or vPvB substances in percentage ≥ 0.1%.			
12.6. Properties of interference with the endocrine system			
Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment being assessed.			
12.7. Other adverse effects			
Information not available			
SECTION 13. Disposal considerations			
13.1. Waste treatment methods			
Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste. Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations. CONTAMINATED PACKAGING Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.			
SECTION 14. Transport information			
The product is not to be considered dangerous pursuant to the provisions in force on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).			
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. Packaging group			
Not applicable			
14.5. Environmental hazards			
Not applicable			

SECTION 14. Transport information ... / >>

14.6. Special precautions for user

Not applicable

14.7. Bulk shipping in accordance with IMO acts

Not relevant information

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC

None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

Substances contained

Point 75

Regulation (EC) No. 2019/1148 - concerning the placing on the market and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentage $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Information not available

15.2. Chemical safety assessment

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

SECTION 16. Other information

Text of the danger indications (H) mentioned in sections 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
Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

SECTION 16. Other information ... / >>**LEGEND:**

- ADR: European agreement for the carriage of dangerous goods by road
- CAS: Chemical Abstract Service Number
- CE: Identification number in ESIS (European Archive of Existing Substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EC50: Concentration that affects 50% of the population tested
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the classification and labeling of chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilisation of 50% of the test population
- IMDG: International Maritime Code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Level of occupational exposure
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation for the international transport of dangerous goods by train
- STA: Acute Toxicity Estimate
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short Term Exposure Limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 2020/878 (Annex II REACH Regulation)
4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
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 (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (EU) 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 Agency website
- Database of SDS models of chemical substances - Ministry of Health and Istituto Superiore di Sanità

Note for the user:

The information contained in this sheet is based on the knowledge available to us on the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.
This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.
Provide adequate training to personnel involved in the use of chemical products.

CLASSIFICATION CALCULATION METHODS

Physical and chemical hazards: The classification of the product has been derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the physical and chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.