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Permabond ET5428A

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 subs	stance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	Permabond ET5428A
1.2. Relevant identified uses of the substance or m	nixture and uses advised against
Intended use	Adhesive
1.3. Details of the supplier of the safety data sheet	
Name Full address District and Country e-mail address of the competent person responsible for the Safety Data Sheet Supplier:	Permabond Engineering Adhesives Niederkasseler Lohweg 18 40547 Düsseldorf Germany Tel. +44 (0)1962 711 661 info.europe@permabond.com Permabond Engineering Adhesives Ltd
	Wessex Way, Colden Common, Winchester, Hampshire SO21 1WP, UK tel: +44 (0)1962 711 661 mail: info.europe@permabond.com
1.4. Emergency telephone number	
For urgent inquiries refer to	+44 (0)1962 711 661 (8.00 am-5.00 pm Mon-Fri)
	CHEMTREC UK: +(44)-870-8200418 CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034

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:		
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic	H411	Toxic to aquatic life with long lasting effects.
toxicity, category 2		

2.2. Label elements

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

Hazard pictograms:





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SECTION 2. Hazards identification ... / >>

Signal words:	Warning
Hazard statements:	
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statements:	
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352	In case of contact with the skin: wash abundantly with soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Contains:	EPOXY RESIN (Number average MW <= 700)

2.3. Other hazards

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

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:		
Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
EPOXY RESI	I (Number average MW <= 700)	
INDEX	60 ≤ x < 100	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411 EUH205
FC	216-823-5	,
CAS	1675-54-3	
REACH Reg.	01-2119456619-26-XXXX	
EPOXY RESIN INDEX EC CAS	I (Number average MW <= 700) 60 ≤ x < 100 216-823-5 1675-54-3	

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

Skin: Wash the skin thoroughly with soap and water. If symptoms arise, request medical assistance
Eyes: Make sure you have removed any contact lenses before rinsing your eyes. Wash Readyly and abundantly the eyes with water keeping the eyelids open.
Continue to rinse for at least 15 minutes. Consult a doctor if the discomfort continues.
Ingestion: rinse the mouth with water thoroughly. Make a abundant quantity of water drink.
Do not cause vomiting. Consult a doctor.
Inhalation: move the subject exposed in the open air. Consult a doctor in case of serious symptoms or persistent.

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

Contact with the skin: skin irritation. Mild dermatitis, allergic rash. Contact with eyes: irritating and can cause redness and pain.

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

Note for the doctor no specific recommendation. Symptomatic treatment.



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 DUE TO EXPOSURE IN THE EVENT OF FIRE Avoid breathing combustion products, carbon monoxide (CO), carbon dioxide (CO2), and nitric oxides (NOx).

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

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)

Adhesive



SECTION 8. Exposure controls/personal protection

8.1. Control parameters

		EDO	(Y RESIN (Num	hor avorago	11/1 <- 700)			
Predicted no-effect cor	acontration			iber average i	W \= 700)			
Normal value in fresh		- FNEC				0,006	mg/l	
Normal value in mari						0,000	•	
						- /	mg/l	
Normal value for fres						0,341	mg/kg	
Normal value for mar						0,034	mg/kg	
Normal value of STP	0					10	mg/l	
Normal value for the	````	<i>2</i> 1	ning)			11	mg/kg	
Normal value for the	terrestrial co	ompartment				0,065	mg/kg	
lealth - Derived no-eff	ect level - D	NEL / DMEL						
	Effects or	n consumers			Effects on w	vorkers		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				0,5				
				mg/kg/d				
Inhalation				0,87				4,93
				mg/m3				mg/m3
Skin				0,0893				0,75
				mg/kg/d				mg/kg/d

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.

Provide an emergency shower with face and eye wash station.

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, 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 II 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 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 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

Properties

Information



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SECTION 9. Physical and chemical properties/>>

Appearance Colour Odour Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature Decomposition temperature pH Kinematic viscosity

Dynamic viscosity Solubility Partition coefficient: n-octanol/water Vapour pressure Density and/or relative density Relative vapour density Particle characteristics not available not available not available not available 100 °C not available not available not available ~ 300000 mPa.s T

paste

white

mild

~ 300000 mPa.s Thixo not available not available not available 1,1 not available not available not applicable Reason for missing data:substance/mixture is non-soluble (in water)

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Temperature: 25 °C

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

Strong reducing and oxidizing agents.

10.6. Hazardous decomposition products

By thermal decomposition, carbon monoxide, carbon dioxide and ed other unidentified organic compounds.

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

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SECTION 11. Toxicological information .../>>

S	SECTION 11. Toxicological information / >>	
	Metabolism, toxicokinetics, mechanism of action and other info	ormation
	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 (Oral) of the mixture:	Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)
		> 2000 mg/kg > 2000 mg/kg
	SKIN CORROSION / IRRITATION	
	Causes skin irritation	
	SERIOUS EYE DAMAGE / IRRITATION	
	Causes serious eye irritation	
	RESPIRATORY OR SKIN SENSITISATION	
	Sensitising for the skin	
	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	
1	1.2. Information on other hazards	
	Based on the available data, the product does not contain sub- disruptors with human health effects under evaluation.	stances listed in the main European lists of potential or suspected endocrine



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SECTION 12. Ecological information

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

12.1. Toxicity

EPOXY RESIN (Number average MW <= 700)	
LC50 - for Fish	2 mg/l/96h
EC50 - for Crustacea	1,8 mg/l/48h
EC50 - for Algae / Aquatic Plants	11 mg/l/72h
Chronic NOEC for Crustacea	0,3 mg/l
Chronic NOEC for Algae / Aquatic Plants	4,2 mg/l

12.2. Persistence and degradability

EPOXY RESIN (Number average MW <= 700) NOT rapidly degradable

12.3. Bioaccumulative potential

EPOXY RESIN (Number average MW <= 700) BCF

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%.

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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.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

Waste class 08 04 09* stickers and sealed sealing, containing organic solvents or other dangerous substances.

SECTION 14. Transport information

@EPY 11.5.1 - SDS 1004.14

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SECTION 14. Transport information ... / >>

14.1. UN number or ID number

ADR / RID, IMDG, IA	ATA: 3082
ADR / RID:	In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity \leq 5Kg or 5L, is not submitted to ADR provisions.
IMDG:	In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IMDG Code provisions.
IATA:	In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.
14.2. UN proper shipp	ing name
ADR / RID: IMDG: IATA:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700)) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700)) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700))

14.3. Transport hazard class(es)

ADR / RID:	Class: 9	Label: 9	
IMDG:	Class: 9	Label: 9	
IATA:	Class: 9	Label: 9	

14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID:	Environmentally Hazardous	
IMDG:	Marine Pollutant	
IATA:	Environmentally Hazardous	

14.6. Special precautions for user

Information not relevant

ADR / RID:
IMDG:
IATA:

HIN - Kemler: 90LimitedSpecial provision: 274, 335, 375, 601EMS: F-A, S-FLimitedCargo:MaximuPassengers:MaximuSpecial provision:A97, A

14.7. Maritime transport in bulk according to IMO instruments

Limited Quantities: 5 L 375, 601 Limited Quantities: 5 L Maximum quantity: 450 L Maximum quantity: 450 L A97, A158, A197, A215 Tunnel restriction code: (-)

Packaging instructions: 964 Packaging instructions: 964 EN



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:CTION 15. F	Regulatory inform	ation						
1. Safety, health	and environmental regu	ations/legis	slation spe	cific for the	substanc	e or mixture)	
Seveso Category	- Directive 2012/18/EU:		E2					
	ng to the product or contain	ned substan	nces pursua	nt to Annex	XVII to EC	Regulation ²	1907/2006	
Product								
Point	3							
Regulation (ELI) 2	019/1148 - on the market	na and use	ofornlocivo					
not applicable								
		. g		es precursor	S			
not applicable		<u> </u>		es precursor	<u> </u>			
Substances in Ca	ndidate List (Art. 59 REA0	H)	·	·				
Substances in Ca	ndidate List (Art. 59 REA) ailable data, the product (H)	·	·		an 0,1%.		
Substances in Cal On the basis of av	ailable data, the product of	H) oes not con	ntain any SV	·		an 0,1%.		
Substances in Cal On the basis of av Substances subje		H) oes not con	ntain any SV	·		an 0,1%.		
Substances in Cal On the basis of av	ailable data, the product of	H) oes not con	ntain any SV	·		an 0,1%.		
Substances in Car On the basis of av Substances subje None	ailable data, the product of	H) oes not con XIV REACH	ntain any SV 1)	/HC in perce	entage ≥ tha	an 0,1%.		
Substances in Car On the basis of av Substances subje None	ailable data, the product o	H) oes not con XIV REACH	ntain any SV 1)	/HC in perce	entage ≥ tha	an 0,1%.		
Substances in Car On the basis of av Substances subje None Substances subje None	ailable data, the product o ct to authorisation (Annex ct to exportation reporting	H) oes not con XIV REACH pursuant to	ntain any SV 1)	/HC in perce	entage ≥ tha	an 0,1%.		
Substances in Car On the basis of av Substances subje None Substances subje None Substances subje	ailable data, the product o	H) oes not con XIV REACH pursuant to	ntain any SV 1)	/HC in perce	entage ≥ tha	an 0,1%.		
Substances in Car On the basis of av Substances subje None Substances subje None	ailable data, the product o ct to authorisation (Annex ct to exportation reporting	H) oes not con XIV REACH pursuant to	ntain any SV 1)	/HC in perce	entage ≥ tha	an 0,1%.		
Substances in Car On the basis of av Substances subje None Substances subje None Substances subje None	ailable data, the product o ct to authorisation (Annex ct to exportation reporting	H) oes not con XIV REACH pursuant to ntion:	ntain any SV 1)	/HC in perce	entage ≥ tha	an 0,1%.		

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017) WGK 2: Hazard to waters

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:

Eye irritation, category 2
Skin irritation, category 2
Skin sensitization, category 1
Hazardous to the aquatic environment, chronic toxicity, category 2
Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.
Contains epoxy constituents. May produce an allergic reaction.

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



SECTION 16. Other information .../>>

- 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).
- **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)
- 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.