

Safety data sheet

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

1.1. Product identifier

Code: 272 PAC
Product name: PAC 272

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

Intended use: Primer made from synthetic resins

Identified Uses	Industrial	Professional	Consumer
Protection and decoration of buildings	-	✓	-

1.3. Details of the supplier of the safety data sheet

Name: FASSA S.r.l.
Full address: Via Lazzaris, 3
District and Country: 31027 Spresiano (TV)
Italy
Tel. +39 (0)422 7222
Fax +39 (0)422 887509

e-mail address of the competent person responsible for the Safety Data Sheet: laboratorio.spresiano@fassabortolo.it

1.4. Emergency telephone number

For urgent inquiries refer to:

- Osp. Niguarda Ca' Granda (MILANO): +39 02.66101029
- Osp. Pediatrico Bambino Gesù (ROMA): +39 06.68593726
- Osp. Univ. Foggia (FOGGIA): +39 0881.732326
- Osp. A. Cardarelli (NAPOLI): +39 081.7472870
- Policlinico Umberto I (ROMA): +39 06.49978000
- Policlinico A. Gemelli (ROMA): +39 06.3054343
- Osp. Careggi U.O. Tossicologia (FIRENZE): +39 055.7947819
- Centro nazionale di informazione tossicologica (PAVIA): +39 0382.24444
- Az. Osp. Papa Giovanni XXII (BERGAMO): 800883300

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 EC Regulation 1907/2006 and subsequent amendments.

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.

EUH208

Contains: Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).
1,2-Benzisothiazolin-3-one

May produce an allergic reaction.

Precautionary statements: --

SECTION 2. Hazards identification ... / >>**2.3. Other hazards**

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

For information on respirable crystalline silica, see section 11.

SECTION 3. Composition/information on ingredients**3.1. Substances**

Information not relevant

3.2. Mixtures**Contains:**

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

1,2-Benzisothiazolin-3-one

CAS 26-34-33-5 0,005 ≤ x < 0,05 Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317,
Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

EC 220-120-9

INDEX 613-088-00-6

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

CAS 55965-84-9 0,00015 ≤ x < 0,0005 Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314,
Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=10

EC 611-341-5

INDEX 613-167-00-5

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

SECTION 4. First aid measures**4.1. Description of first aid measures**

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

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

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

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

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

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

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media****SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Do not breathe combustion products.

SECTION 5. Firefighting measures ... / >>**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. If the product is flammable, use explosion-proof equipment. 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.

Product for professional use. Always read the technical datasheet before using. Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap. During use, ventilate the room well and use water to clean tools.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Council of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007

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

TLV-ACGIH

ACGIH 2016

QUARTZ
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	0,1				RESP
VLEP	FRA	0,1				RESP
WEL	GBR	0,1				RESP
AK	HUN	0,15				RESP
VLEP	ITA	0,025				RESP
MAC	NLD	0,075				RESP
NDS	POL	2				Tot
NDS	POL	0,3				RESP
VLE	PRT	0,025				RESP
TLV	ROU	0,1				RESP
NPHV	SVK	0,1				RESP
TLV-ACGIH		0,025				

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC 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

None required, unless indicated otherwise in the chemical risk assessment.

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

Appearance	pasty liquid
Colour	light blue
Odour	characteristic
Odour threshold	Not available
pH	8-10
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C
Evaporation Rate	Not available
Flammability of solids and gases	not flammable
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,55-1,65
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available

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

Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Maximum VOC content limit values (Directive 2004/42/EC). Category A/g, BA: Maximum VOC 30 g/l (January 2010); Maximum VOC content in product < 30 g/l

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

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 toxicological effects

Informazioni sulla silice cristallina:

L'agenzia internazionale per la ricerca sul Cancro ha dichiarato che la silice cristallina inalata da fonti professionali può causare il cancro ai polmoni nell'uomo. Ha tuttavia sottolineato che non bisogna incriminare tutte le circostanze industriali, né tutti i tipi di silice cristallina. Nel 2003, il Comitato scientifico dell'UE per i limiti di esposizione professionale ha dichiarato che l'effetto principale sull'uomo dell'inalazione di polvere di silice cristallina respirabile è la silicosi. Esistono informazioni sufficienti per concludere che il rischio relativo di cancro ai polmoni è superiore nelle persone affette da silicosi. La protezione dei lavoratori sarebbe garantita rispettando gli attuali valori limite di esposizione professionale. Inoltre, i lavoratori devono ricevere una debita formazione sull'uso e sulla movimentazione appropriati per questo prodotto.

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

SECTION 11. Toxicological information ... / >>

Information not available

ACUTE TOXICITY

LC50 (Inhalation - vapours) of the mixture:	Not classified (no significant component)
LC50 (Inhalation - mists / powders) of the mixture:	Not classified (no significant component)
LD50 (Oral) of the mixture:	Not classified (no significant component)
LD50 (Dermal) of the mixture:	Not classified (no significant component)

1,2-Benzisothiazolin-3-one	
LD50 (Oral)	532 mg/kg rat
LD50 (Dermal)	> 2000 mg/kg rat
LC50 (Inhalation)	4 mg/l/4h rat

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).	
LD50 (Oral)	66 mg/kg rat
LD50 (Dermal)	> 141 mg/kg rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).
1,2-Benzisothiazolin-3-oneGERM 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

SECTION 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).
EC₅₀ / 48 h = 0,0052 mg/l (Skeletonema costatum) (OECD 201) RAC opinion; NOEC / 48 h = 0,00064 mg/l (Skeletonema costatum) (OECD 201) RAC opinion; EC₂₀ / 3 h = 0,97 mg/l (fanghi attivi) (OECD 209);

SECTION 12. Ecological information ... / >>

1,2-Benzisothiazolin-3-one	
LC50 - for Fish	1,6 mg/l/96h Oncorhynchus mykiss - OECD 203 (S 2746)
EC50 - for Crustacea	3,27 mg/l/48h Daphnia magna - OECD 202 (CAR)
EC50 - for Algae / Aquatic Plants	0,11 mg/l/72h Pseudokirchneriella Subcapitata - OECD 201 (S2238)
EC10 for Algae / Aquatic Plants	0,04 mg/l/72h Pseudokirchneriella subcapitata - OECD 2001 (S2238)
Chronic NOEC for Fish	0,21 mg/l Oncorhynchus mykiss - OECD 215 (S 805)
Chronic NOEC for Crustacea	1,2 mg/l 21d - Daphnia magna - OECD 211 (S 803)

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).	
LC50 - for Fish	0,22 mg/l/96h Oncorhynchus mykiss - OECD 203 (S6)
EC50 - for Crustacea	0,1 mg/l/48h Daphnia magna - OECD 202 (S52)
EC50 - for Algae / Aquatic Plants	0,048 mg/l/72h Pseudokirchneriella subcapitata - OECD 201 (S1322)
Chronic NOEC for Fish	0,098 mg/l 28d - Oncorhynchus mykiss - OECD 210 (S117)
Chronic NOEC for Crustacea	0,004 mg/l 21d - Daphnia magna - OECD 211 (S52)
Chronic NOEC for Algae / Aquatic Plants	0,0012 mg/l 72h - Pseudokirchneriella subcapitata - OECD 201 (S1322)

12.2. Persistence and degradability

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).
OECD 301 D Closed-Bottle-Test > 60 % (fanghi attivi) (OECD 301 D (oxygen depletion)); OECD 308 Simulation Biodegradation Aqu Sed System = 1,82 - 1,92 d (half-life) (OECD 308) CIT, S 617; OECD 302 B Zahn-Wellens Test = 100 % (fanghi attivi) (OECD 302 B - substance removal (HPLC)) completely eliminated by biodegradation - S 2387; OECD 303 A: Activated Sludge Units = > 80 % (fanghi attivi) (OECD 303 A) rapid biodegradable, bridging from S 199

1,2-Benzisothiazolin-3-one
Rapidly biodegradable

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).
Rapidly biodegradable

12.3. Bioaccumulative potential

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [CE n° 247-500-7] and 2-methyl-2H-isothiazol-3-one [CE n° 220-239-6] (3:1).
Bioconcentration factor BCF = 3,6 (calculated) EPIWIN, S 1177; OECD 107 Log Kow (shake flask method) = -0,71; + 0,75
(n-Octanol/Wasser) (OECD 107) S 5

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 greater than 0,1%.

12.6. 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.

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

Not applicable

SECTION 14. Transport information ... / >>**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. Transport in bulk according to Annex II of Marpol and the IBC Code

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/EC: NoneRestrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
NoneSubstances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater 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

In order to provide information to manufacturers and users of products and materials containing crystalline silica, a guide has been created for managing respirable crystalline silica and the safe use of products containing crystalline silica in the workplace. For information:

<http://www.nepsi.eu>: Agreement on workers' health protection through the good handling and use of crystalline silica and products containing it (2006/C 279/02).

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

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

SECTION 16. Other information ... / >>

Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
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.
H411	Toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- 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 STEL: Short-term exposure limit
- TWA: Time-weighted average 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 (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 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

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology

SECTION 16. Other information ... / >>

- 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.

Changes to previous review:

The following sections were modified:

01 / 03 / 04 / 07 / 08.