

Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019
Page n. 1/13

SILCOFLEX 594

Safety data sheet

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

1.1. Product identifier

Code: CS0015
Product name SILCOFLEX 594

1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Universal sealant silicone-based, alcoxy curing.

1.3. Details of the supplier of the safety data sheet

Name PIGAL S.R.L. A SOCIO UNICO

Full address Via G. Rossa, 2

District and Country 40053 VALSAMOGGIA - Crespellano (BO)

ITALIA

Tel. +39 051969068 Fax +39 051969353

e-mail address of the competent person

responsible for the Safety Data Sheet health.safety@pigal.it; pigalab@pigal.it

1.4. Emergency telephone number

For urgent inquiries refer to +39 051969068 ore ufficio/office hours (8.30-13; 14-17.30)

118 (contattare il centro antiveleni più vicino)/please contact your near local poison

control center

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 2015/830.

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.

Precautionary statements:

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Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 2/13

SILCOFLEX 594

It Contains 3- (triethoxysilyl) propylamine. May cause allergic reactions.

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%.

During curing releases ETHANOL (CAS 64-17-5) by hydrolysis.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

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

Distillates (petroleum),

intermediate fraction hydrotreated

CAS - 13,5 ≤ x < 15 Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP

Regulation: N

EC 265-148-2

INDEX -

Reg. no. 01-2119552497-29

3-aminopropyl (methyl) silsesquioxanes, ethoxy

termination

CAS 128446-60-6 2,5 \leq x < 3 Flam. Liq. 3 H226, Eye Irrit. 2 H319, Skin Irrit. 2 H315

EC INDEX -ETHANOL

CAS 64-17-5 released Flam. Liq. 2 H225

EC 200-578-6 INDEX 603-002-00-5

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

The classification of the Distillates (petroleum) is followed by taking into account the respective applicable notes of Annex VI of the EC Regulation 1272/2008.

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. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly 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.

In case of fire possible formation of smoke and hazardous gases. Exposure to combustion products may cause a health hazard! dangerous products in case of fire: carbon oxides, silicon oxides, nitrogen oxides, hydrocarbons not completely burned, toxic and very toxic fumes.

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.

Signal the area. Wear personal protection equipment (see. Section 8). Remove all persons without protective equipment. In the case of material is released indicate risk of slipping. Do not walk in the middle of the spilled material.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

Not to enter waters, drains or sewers and soil. Close the loss, if you can do it without risk. Contain contaminated water / extinguishing water. Deleting cotrassegnati containers according to the regulations in force. Inform the competent authorities in case of contamination of water, sewerage or underground.

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.



Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 4/13

SILCOFLEX 594

To avoid adhesion, sprinkle the sand surface and collect the material mechanically. Remove any slippery layer, if any, with detergent / soap in solution or other biodegradable detergent.

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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

The product can liberate ethanol. In enclosed spaces vapors can form mixtures with air, which in the presence of ignition sources causing explosion also inside containers, uncleaned.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Protect from moisture. Keep containers tightly closed and store in a cool, well-ventilated area.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU Deutschland TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte ESP España INSHT - Límites de exposición profesional para agentes químicos en España 2017

GBR United Kingdom EH40/2005 Workplace exposure limits

GRC Ελλάδα ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012

Hrvatska NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva

TLV-ACGIH ACGIH 2018

Threshold Limit Value						
Туре	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	960	500	1920	1000	
MAK	DEU	960	500	1920	1000	
VLA	ESP			1910	1000	
WEL	GBR	1920	1000			
TLV	GRC	1900	1000			



Revision nr. 4

Page n. 5/13

Dated 17/12/2018

Printed on 21/02/2019

SILCOFLEX 594

GVI HRV 1900 1000

TLV-ACGIH 1884 1000

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

Protect hands with Protective gloves made of butyl rubber (Material thickness:> 0.3 mm; Breakthrough time:> 480 min). Protective gloves nitrile rubber (Material thickness:> 0.2 mm; Breakthrough time: > 480 min) - see standard EN 374.

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see 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

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 filter ABEK (certain gases and vapors inorganic and organic acids, ammonia / amines), in accordance with recognized standards such as 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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance pasty
Colour various

Odour Typical alcoholic
Odour threshold Not determined
pH Not applicable
Melting point / freezing point Not applicable
Initial boiling point Not applicable
Boiling range Not available



Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 6/13

SILCOFLEX 594

Flash point Not applicable **Evaporation Rate** Not determined Flammability of solids and gases not applicable Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not applicable Upper explosive limit Not applicable Not determined Vapour pressure Vapour density > 1 (air = 1)Relative density $0.98 \div 1.00$

Solubility immiscible with water

Partition coefficient: n-octanol/water Not determined

Auto-ignition temperature > 400 °C

Decomposition temperature Not available

Viscosity > 600000 mPa*s

Explosive properties not applicable

Oxidising properties not applicable

VOC (Directive 2010/75/EC): 1,0 % - 10,0 g/litre

VOC (volatile carbon):

SECTION 10. Stability and reactivity

10.1. Reactivity

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

Reacts with: water, bases and acids. The reaction occurs with formation of ethanol.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

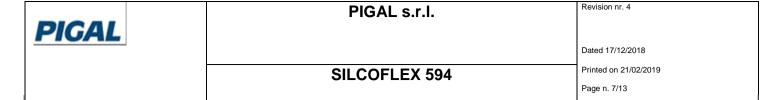
ETHANOL

Risk of explosion on contact with: alkaline metals, alkaline oxides, calcium hypochlorite, sulphur monofluoride, acetic anhydride, acids, concentrated hydrogen peroxide, perchlorates, perchloric acid, perchloronitrile, mercury nitrate, nitric acid, silver, silver nitrate, ammonia, silver oxide, ammonia, strong oxidising agents, nitrogen dioxide. May react dangerously with: bromoacetylene, chlorine acetylene, bromine trifluoride, chromium trioxide, chromyl chloride, fluorine, potassium tert-butoxide, lithium hydride, phosphorus trioxide, black platinum, zirconium (IV) chloride, zirconium (IV) iodide. Forms explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

Avoid moisture.



FTHANOL

Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

In case of hydrolysis: ethanol. From controls it results that a small amount of formaldehyde is released by oxidative decomposition at temperatures above 150 ° C.

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

A clinically relevant cutaneous / ocular irritation is not expected against available data. Temporary irritation symptoms can not be excluded if the adhesive product is mechanically removed after contact.

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

Distillates (petroleum), intermediate "hydrotreating" - According to literature the aliphatic and naphthenic hydrocarbons have a slightly irritating effect on the epidermis and mucous membranes. Degrease the skin. Narcotic. In the case of direct action on lung tissues (eg. By aspiration) can cause pneumonia.

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) 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)

ETHANOL

LD50 (Oral) > 5000 mg/kg Rat

LC50 (Inhalation) 120 mg/l/4h Pimephales promelas



Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 8/13

SILCOFLEX 594

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

Does not meet the classification criteria for this hazard class

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: > 600000 mPa*s

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

Evaluation on the basis of ecotoxicological studies with similar products in consideration of physico-chemical properties: for this product no effects relevant for the classification on aquatic organisms are expected. At the current state of experience, negative effects in purification plants are not to be expected.

The classification of this material with regard to environmental hazards is based on data on the ingredients and the amount of biocidal product in water simulation tests.

Related to the product:

LC50 / 96 h:> 10 - <100 mg / I (calculated - Pimephales promelas) EC50 / 48 h:> 100 mg / I (calculated - Daphnia magna)

ErC50 / 72 h (growth rate):> 100 mg / I (calculated - Pseudokirchneriella subcapitata)

ErC50 / 24 h (growth rate):> 10 - <100 mg / I (calculated - Navicula pelliculosa)



Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 9/13

SILCOFLEX 594

NOEC / 24 h (growth rate):> 1 mg / I (calculated - Navicula pelliculosa)
NOEC (early life stage test):> 1 mg / I (calculated Oncorhynchus mykiss)
NOEC (reproduction):> 1 mg / I (calculated - Daphnia magna)

Zinc pyrithione

LC50 / 96 h: 0.0026 mg / I (Pimephales promelas, EPA OPP 72-1) (Daphnia magna, EPA OPP 72-2) EC50 / 48 h: 0.0082 mg / I EC50 / 96 h: 0.0063 mg / I (Americamysis bahia, EPA OPP 72-3) EC50 / 3 h: 2.4 mg / I (sewage sludge, OECG 209) IC50 / 96 h (growth rate): 0.0054 mg / I (Navicula pelliculosa, EPA OPP 122-2) IC50 / 96 h (growth rate): 0.0013 mg / I (skeletonema costatum, EPA OPP 122-2) NOEC / 120 h (growth rate): 0.0024 mg / I (Navicula pelliculosa, EPA OPP 122-2) NOEC / 120 h (growth rate): 0.00046 mg / I (skeletonema costatum, EPA OPP 122-2) NOEC / 28 d (early life stage test): 0.00122 mg / l (Pimephales promelas, EPA OPP 72-4) NOEC / 21 d (reproduction): 0.0027 mg / I (Daphnia magna, EPA OPP 72-4) NOEC / 28 d: 0.0023 mg / l (Americamysis bahia, EPA OPP 72-4)

ETHANOL

LC50 - for Fish 15300 mg/l/96h Pesce - Pimephales promelas

12.2. Persistence and degradability

The paraffinic hydrocarbons fraction may be considered biodegradable in water and in air. They distribute mostly in the air. The small non biodegradable amount which spreads into water tends to accumulate in fish.

ETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

Silicone: not biodegradable. Separation by sedimentation. The product of hydrolysis (Ethanol) is easily biodegradable.

Zinc pyrithione

Biodegradability - 39% / 28 d hardly biodegradable (OECD 301B) Hydrolysis - T. half-life: 13 min (photolytic degradation, pH 9 / ECHA)

12.3. Bioaccumulative potential

Unlikely biological accumulation

ETHANOL

Partition coefficient: n-octanol/water -0,35

Zinc pyrithione

Bioconcentration factor (BCF) <50 (Cyprinus carpio / 56 d; 23 - 27 Â ° C; 0.02 - 0.2 ng / I - OECD 305C)

12.4. Mobility in soil

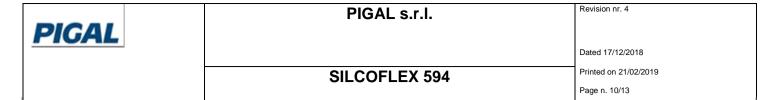
Insoluble in water. Good separation from water by filtration in the cured state.

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.
The valid EEC waste code are largely source-related; the manifacturer is, therefore, unable to specify waste codes for products used in various sectors. Small quantities of cured product can be treated as industrial waste similar to MSW. CER-code (suggested): 08 04 10.
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.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - It is not meant for carriage in bulk in tankers.
14.1. UN 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



Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 11/13

SILCOFLEX 594

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: None

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

Product

Point

40

Substances 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

Inventory Status - On or in compliance with the following inventories:

REACH (Reg. CE 1907/2006) - Europe

ECL – Korea

ENCS - Japan

AICS - Australia

PICCS - Philippines

TSCA - USA

TCSI - Taiwan

15.2. Chemical safety assessment

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



Revision nr. 4

Dated 17/12/2018

Printed on 21/02/2019

Page n. 12/13

SILCOFLEX 594

SECTION 16. Other information

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

Flam. Liq. 2 Flammable liquid, category 2
Flam. Liq. 3 Flammable liquid, category 3
Asp. Tox. 1 Aspiration hazard, category 1
Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2

H225 Highly flammable liquid and vapour.H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

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 (EC) 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 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X 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.

Changes to previous review:

The following sections were modified:

01/02/03/04/05/06/07/08/09/10/11/12/14/15/16.