



Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. *Product identifier* EPOXY RESIDUE REMOVER

Product type FORMULATE

CAS Number: Unavailable, formulate

CE Number: Unavailable, formulate

REACH registration number: Unavailable

1.2. *Identified relevant uses of substance or formulate and inadvisable uses* ALKALINE CLEANER FOR EPOXY RESIDUES

Packaging 1 lt. bottles

1.3. *Information about supplier of material safety data sheet* FABER CHIMICA S.R.L. VIA G. CERESANI, 10 – FABRIANO (AN) ITALY
Ph. +39 0732627178 FAX +39 073222935
Email: quality@faberchimica.com

1.4. *Emergency phones:*

1. HOSPITAL "S.G.BATTISTA" - MOLINETTE DI TORINO
011/6637637 011/6672149
2. HOSPITAL NIGUARDA CA' GRANDA 02/66101029 02/64442768
3. NATIONAL INFORMATION TOXICOLOGY CENTRE FOUNDATION "S.MAUGERI"
CLINICA DEL LAVORO E DELLA RIABILITAZIONE 0382/24444 02/64442769
4. POISON CONTROL SERVICE - CEN.INTERDIPARTIMENTALE DI RICERCA SULLE
INTOSSICAZIONI ACUTE DIP.DI FARMAC."E.MENEGHETTI" UNIVERSITÀ DEGLI
STUDI DI PADOVA 049/8275078 049/8270593
5. POISON CONTROL SERVICE SERV.PR.SOCC.,ACCETT. E OSS. ISTITUTO
SCIENTIFICO "G. GASLINI" LARGO G. GASLINI, 010/5636245 010/3760873
6. POISON CONTROL CENTRE - U.O. TOSSICOLOGIA MEDICA AZIENDA
OSPEDALIERA CAREGGI 055/4277238 055/4277925
7. POISON CONTROL CENTRE POLICLINICO A.GEMELLI - UNIVERSITA' CATTOLICA
DEL SACRO CUORE 06/3054343 06/3051343
8. POISON CONTROL CENTRE - ISTITUTO DI ANESTESIOLOGIA E RIANIMAZIONE
06/49970698 06/4461967
9. POISON CONTROL CENTRE AZIENDA OSPEDALIERA A. CARDARELLI
081/7472870 081/7472880

Faber Chimica srl Ph. +39 0732 627178



Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com



Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

SECTION 2: HAZARD IDENTIFICATION

2.1. *Substance or Formulate Classification* GHS05 H314 according to the criteria established by Reg. 1272/2008/CE

 2.2. *Label elements:*


Classification: Skin Corr 1A

Warning: Danger

H Phrases: 314



P Phrases:

P234
 P260
 P261
 P264
 P271
 P301 + P330 + P331
 P303 + P361 + P353
 P390
 P405
 P406
 P501

Contains: Sodium silicate

2.3. *Other hazards:* The product does not show any further danger due to intrinsic features of formulate.

SECTION 3: COMPOSITION/INFORMATION ABOUT INGREDIENTS

3.1. Substances: Not applicable to formulates

3.2. Formulates:

CHEMICAL NAME	CAS NR	EC NR	REACH NR	%
Sodium Silicate	1344-09-8	215-687-4	01-2119448725-31-XXXX	>10<25
Alcohols sec. Etoxilates C 11-15	68131-40-8	614-295-4	01-2119560577-29-XXXX	>2,5<5

Classification/Information about substances contained in the formulate

Regulation 1278/2008 CE**

SUBSTANCE	Class and Category	Hazard Marks
Sodium Silicate	Skin Irrit. 2 Eye Irrit. 2	H 315 H 319
Alcohols sec. Etoxilates C 11-15	Acute Tox. 4 Eye Dam. 1	H 302 H 318

** = CLP regulation



Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Contact with eyes: Bathe immediately eyes with a collyrium or water solution (10 minutes). Call for an ophthalmologist.

Inhalation: Wear the PPE provided. Keep the patient far from the accident place. Ventilation with ambu. Administer oxygen. Humidify the inspired gases.

Contact with skin: Wash with freshwater and soap. Apply reintegration cream. Remove contaminated clothing.

Ingestion: Wash mouth and throat. Drink 1 or 2 glasses of water. Call for a doctor.

4.2. Main symptoms and effects, both acute and delayed

Skin: Causes burns

Eyes: May cause permanent eye injury

Nose: No supplier provides sufficient data, literature does not provide sufficient data.

Nervous system: No supplier provides sufficient data, literature does not provide sufficient data.

Upper respiratory tract: Irritating to the respiratory system.

Lungs: Irritating to the respiratory system.

Chronic effects: No supplier provides sufficient data, literature does not provide sufficient data.

4.3. Possible need to check with a doctor and to receive special treatments

Urgent medical advice.

5. FIRE-FIGHTING MEASURES

Remove containers from the fire area, if this is possible without any risk.

Restrain and clean with a wet vacuum the water after fire before waste disposal.

In case the fire involves the containers, refresh them with water, even after extinguishing fire.

5.1. Extinguishing media: SUITABLE EXTINGUISHING MEDIA:
Extinguishing methods are carbon dioxide, polyvalent foam. Foam resistant to alcohol. BC powder.

UNSUITABLE EXTINGUISHING MEDIA:

Container could overflow, if a full-jet (water, foam) was applied. A full-jet of water is not effective to extinguish fire.

5.2. Specific risks owing to the substance or formulate: During combustion CO and CO₂ are issued. Reacts with some bases if exposed to increasing temperatures. Hydrolyses when exposed to heavy-duty acids.

5.3. Recommendations for fire-fighters: Wear:
Gloves. Face shield. Protection clothing. Exposure to heat/fire: equipment with oxygen/compressed air.



Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

6. MEASURES AGAINST ACCIDENTAL PRODUCT RELEASE

- 6.1. Individual precautions, protection equipment and emergency procedures:* Avoid contact with skin and eyes. Do not inhale. Wear suitable protective clothing. Wear glasses during handling; wear a suitable protection for the respiratory system. Slippery if released on the floor.
- 6.2. Environmental precautions:* Prevent product penetration into drains, surface waters, groundwater tables. Avoid release of substance in the surroundings, by using earth or other absorbing materials. Inform the competent authorities in case of liquid accidentally released into watercourses, purification plants or in case of soil contamination.
- 6.3. Methods and materials for containment and reclamation:* Vacuum up the most of the released product into clean containers for re-use or waste disposal. Remove possible residues by diluting with plenty of (warm) water.
- 6.4. Reference sections:* For anything not listed in this point, please refer to protection devices recommended in point 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

- 7.1. Pre-cautions for a safe handling:* Avoid producing dust, do not inhale dust. Avoid contact with eyes, skin and clothing. Wear protective equipment, also see section 8. Keep an ocular washing method at hand.
- 7.2. Pre-cautions for a safe storage, including possible incompatibilities* Store containers/packaging closed in a dry place. Protect packaging from frost, rain or direct exposure to sunbeams. Avoid contact with acids. Compatible materials: steel (stainless). Incompatible materials: zinc, tin, aluminium, copper and their alloys. See also section 10.
- 7.3. Final special uses:* Recommendations referring to special use must be evaluated time by time, even in relationship with the possible composition of the commercial formulate containing the substance, in view of the business sector which the substance or formulate are addressed to and of the technological and production cycle of use.



Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1. Control parameters

Chemical name	Exposure limit (referring to concentrated substances)		DNEL- acute local effects on consumers	DNEL- Acute local effects on workers
	TLV-TWA	TLV-STEL		
Sodium metasilicate (CAS 10213-79-3)	No supplier provides sufficient data, insufficient data in literature.	No supplier provides sufficient data, insufficient data in literature.	No supplier provides sufficient data, insufficient data in literature.	DNEL derived by inhalation and higher than existing OEL for dust, therefore systemic long term effects are not expected caused by disodium metasilicate as far as they meet existing OEL. Existing OEL (TRGS 900, June 2008) for dust is 3 mg/M ³ (alveolar fraction) and 10 mg/m ³ (breathable fraction).
Alcohols sec. Etoxilates C 11-15 (CAS 68131-40-8)	No supplier provides sufficient data, insufficient data in literature.	No supplier provides sufficient data, insufficient data in literature.	No supplier provides sufficient data, insufficient data in literature.	No supplier provides sufficient data, insufficient data in literature.

SODIUM SILICATE:

OEL (DUST – alveolar fraction) : 3 mg/m³ (TRGS 900; June 2008)OEL (DUST – breathable fraction) : 10 mg/m³ (TRGS 900; June 2008)TDD (Typical Dust Density in the workplace) : 2,5 mg/cm³

Biologic limit values BEI

Unavailable, both for the formulate and for its components.

8.2. Exposure controls

Respiratory system:

Avoid dust inhalation. Wear a mask according to EN 140 with filter type A/P2, if working in a place without a suitable ventilation.

Skin and body:

Wear suitable work clothes and gloves resistant to alkalinity (made in PVC, rubber or natural latex) checked according to EN374.

Eyes:

Wear glasses with good adherence features.

SODIUM SILICATE

TABLE: DNEL – WORKERS

ESPOSURE

Systematic acute effects

Systematic acute effects

ROUTE

Dermal
(mg/kg bw/day)Inhalation
(mg/m³)

DESCRIPTION

Non quantifiable

Non quantifiable

DNEL/DMEL

CONCLUSIONS



Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
 Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
 www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER**Classification: GHS05 H314**

Acute local effects	Dermal (mg/kg bw/day)	Non quantifiable		
Acute local effects	Inhalation (mg/m3)	Non quantifiable		
Systematic effects Long term	Dermal (mg/kg bw/day)	DNEL	1,59	Repeated Dose of Toxicity
Systematic effects Long term	Inhalation (mg/m3)	DNEL	5,61	
Local effects Long term	Dermal (mg/kg bw/day)	Non quantifiable		Repeated Dose of Toxicity
Local effects Long term	Inhalation (mg/m3)	Non quantifiable		

TABLE DNEL/DMEL – GENERAL POPULATION

EXPOSURE	ROUTE	DESCRIPTION	DNEL/DMEL	CONCLUSIONS
Systematic acute effects	Dermal (mg/kg bw/day)	Non quantifiable		
Systematic acute effects	Inhalation (mg/m3)	Non quantifiable		
Systematic acute effects	Oral (mg/kg bw/day)	Non quantifiable		
Acute local effects	Dermal (mg/kg bw/day)	Non quantifiable		
Acute local effects	Inhalation (mg/m3)	Non quantifiable		
Systematic effects Long term	Dermal (mg/kg bw/day)	DNEL	0,8	Repeated Dose of Toxicity
Systematic effects Long term	Inhalation (mg/m3)	DNEL	1,38	
Systematic effects Long term	Oral (mg/kg bw/day)	DNEL	0,8	Repeated Dose of Toxicity
Local effects Long term	Dermal (mg/kg bw/day)	Non quantifiable		
Local effects Long term	Inhalation (mg/m3)	Non quantifiable		

Values regarding to the adsorption route by indirect contact with skin, by inhalation and by ingestion, are meant by accidental overexposure (eyes, skin) (HERA, 2005) and they concern the exposure scenario about sodium silicate consumers.

The first way of exposure is dermal type. Short term exposure to powders happens through use of sodium silicate as a powder and grains.

A) Eye/face protection

Wear protective glasses (ref. EN Regulation N 166)

B) Skin protection

Wear work clothing with long sleeves and safety shoes for professional use of cat. II (ref. Directive 89/686 CEE and regulation EN 344). Wash with water and soap after removing the protective clothing. protettivi.

C) Hands protection

Protect hands with work gloves category II (ref. Directive 89/686 CEE and regulation EN 374), such as PVC, neoprene or equivalent. For the final choice of material for the working gloves, it take into consideration: degradation, breakage and permeation time.

D) Respiratory protection

In case of overcoming of the threshold value referring to the daily exposure in the work place, wear a mask with philtre type B or universal type, whose class (1,2 or 3) is to choose according to concentration limit of use (ref. REGULATION EN 141).

E) Thermal dangers

No indication to report

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

8.2.2: Controls of environmental exposure

PNEC – WATER	VALUE	ADJUSTMENT FACTOR
PNEC – fresh water (mg/l)	7,5 (HERA 2005)	

NOTES

US value: 17 mg SiO₂/l (ground waters) 14 mg SiO₂/l (currents) (DAVIS 1964)
 World – wide value: 12 – 13 mg SiO₂/l (rivers) (VAN DOKKUM al. 2002, Edwards and Liss 1973)
 Europe value: 7,5 mg SiO₂/l (Jorgensen et al. 1991)

PNEC –marine water (mg/l)	VALUE	ADJUSTMENT FACTOR
	1	

NOTES

The superficial layer of marine water is very poor of silica (< 1 mg/lit), unless freshwater (fresh water 7,5 – 14 mg/lit). this is due to silica incorporation into the skeletons of diatoms (Hem, 1985). Biomass, including protozoa, sponges and other animals and plants contain soluble silicates indispensable for some biochemical processes.

PNEC –intermittent releases (mg/l)	VALUE	ADJUSTMENT FACTOR
	7,5 (HERA 2005)	

NOTES

The first risk for silicates in the market is their medium-high alkalinity that could be harmful to the aquatic life. This risk can be overcome by neutralizing the raw material before this is discharged in the environment.

US value: 17 mg SiO₂/l (ground waters), 14 mg SiO₂/l (currents) (DAVIS 1964)
 World – wide value: 12 – 13 mg SiO₂/l (rivers) (VAN DOKKUM et al.2002, Edwards and Liss 1973)
 Europe value: 7,5 mg SiO₂/l (Jorgensen et. Al. 1991)

PNEC - SEDIMENT	VALUE	ADJUSTMENT FACTOR
PNEC – Sediment (mg/kg d.w.)		

NOTES

No data available. Dissolved silica coming from commercial products cannot be differentiated from the one with a natural origin. Of all elements composing the Earth's crust, silica covers 59% and such percentages are present in many sediments and soils. (OECD SIDS 2004)

Environmental toxicity: macro- and micro organism – plants

Studies scientifically unjustified - ENCLOSURE IX , 9.4 – Enclosure X, 9.4 Column 2
 Regulation CE 1907/2006 REACH.

PNEC – SOIL	VALUE	ADJUSTMENT FACTOR
PNEC – Soil (mg/kg w.)		

NOTES

No data available. Dissolved silica coming from commercial products cannot be differentiated from the one with a natural origin. Of all elements composing the Earth's crust, silica covers 59% and such percentages are present in many sediments and soils. (OECD SIDS 2004)

PNEC – Wastewater

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
 Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
 www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

	VALUE	ADJUSTMENT FACTOR
PNEC - Stp	348	1
NOTES		
Data obtained with Pseudomonas putida in growth inhibition (Hanstveit 1989) is 348 mg Na Silicate/lit. and the adjustment factor applied is equal to 1.		
Toxicity for birds: Studies unjustified according to Enclosure X, 9.6.1 column 2 Regulation CE 1907/2006 REACH.		
Toxicity for mammals: here below the table regarding to the PNEC - ORAL value:		
	VALUE	ADJUSTMENT FACTOR
PNEC – Oral (mg/kg food)	348	1
NOTES		
Data and tests regarding to the PNEC value do not exist. Each emission of soluble sodium silicates in the environment is considered descendant from negligence. As silica are natural components of soil and minerals, test values are limited.		
THE SUBSTANCE IS NOT CLASSIFIED AS CARCINOGENIC, MUTAGEN NOR TOXIC FOR BREEDING. (It is not a substance PBT nor vPvB)		

9. PHYSICAL AND CHEMICAL FEATURES**9.1. Information about fundamental physical and chemical properties**

Property	Value	Method:	Notes:
Aspect and colour:	Viscous liquid, amber coloured	--	--
Odour:	Typical	--	--
Odour threshold:	No supplier provides sufficient data, insufficient data in literature	--	--
pH:	12.0±0.5	--	--
Specific gravity:	1120 ± 10 g/Lt	--	--
Melting point/freezing point:	From -20°C to -30°C	--	--
Initial boiling point and interval:	96-120° C	--	--
Flash point:	Water formulate not flammable	--	--
Evaporation speed:	Undefinable	--	--
Solid/gas flammability:	Not flammable	--	--
Upper/lower limit of flammability or explosion:	Not flammable	--	--
Vapour pressure:	< 2338,54 Pa	--	--
Vapour density:	>1 (Air=1)	--	--
Solubility in water:	Completely soluble in water	--	--
Solubility in oil:	Soluble in ethanol	--	--
Partition coefficient n-octanole-water:	Undefinable	--	--
Self-ignition temperature:	Undefinable, not flammable	--	--
Decomposition temperature:	>200° C	--	--
Viscosity:	<1000 cps	--	--
Explosive properties:	Non explosive	--	--
Oxidative properties:	Non oxidative	--	--
Oxidizing properties:	Non oxidizing	--	--

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

9.2. Other information

No supplier provides sufficient data, insufficient data in literature.

SECTION 10: Stability and reactivity

- 10.1. *Reactivity:* See section 10.3. [May react violently with acids.](#)
- 10.2. *Chemical stability:* The product is steady under recommended storing and handling conditions.
- 10.3. *Possible dangerous reactions:* Water solutions react with aluminium, zinc, tin, copper and their alloys can produce hydrogen, which on its turn, may form explosive mixtures in contact with air. Exothermic reactions in contact with acids.
- 10.4. *Conditions to avoid:* Avoid long-lasting contact with ambient air: hygroscopic features may induce hardening. Avoid contact with concentrated acids.
- 10.5. *Incompatible materials:* Avoid contact with aluminium, zinc, tin, copper and their alloys.
- 10.6. *Hazardous decomposition products:* No supplier provides sufficient data, insufficient data in literature.

SECTION 11: TOXICITY INFORMATION

11.1 Information about toxicity effects

Chemical Name	(referring to concentrated substances)	
	LD50	LC50
Sodium silicate CAS 1344-09-8	3400 mg/kg (oral rat) >5000 mg/kg (skin rat)	>2.06 (inhal. rat)
Alcohols sec. Etoxilates C 11-15 (CAS 68131-40-8)	1800 mg/kg (oral rat)	N.D.

DESCRIPTION OF RELEVANT EFFECTS:

- Corrosion/skin irritation:* The material causes chemical burns.
- Corrosion of respiratory system:* Dust is severely irritating to the respiratory system.
- Eye severe lesions/eye severe irritation:* The material causes chemical burns. May cause permanent injury if eyes were not immediately bathed.
- Respiratory sensitization:* Not sensitizing.
- Skin sensitization:* Not sensitizing.
- Mutagenicity of germ cells:* Available data are negative.
Negative in vitro/in vivo.
- Carcinogenicity:* No data available to prove a carcinogenicity.
- Toxicity for breeding:* No supplier provides sufficient data, insufficient data in literature

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

Toxicity special for target organs (STOT) – single exposure: Irritating to the respiratory system.

Toxicity special for target organs (STOT) – repeated exposure: No supplier provides sufficient data, insufficient data in literature.

Danger in case of aspiration: Not classified.

Sodium Silicate:

b) Dermal Corrosion/Irritation:

Corrosion:

The solution of sodium silicate responding to the molar ratio $> 2.6 - \leq 3.2$, is not classified as corrosive neither according to DSD nor according to CLP. Danger labelling about corrosion capacity acknowledged for molar ratio $< 1,6$.

CAS: 1344-09-8 : 53,5%, MR = 1,6: Corrosive, RABBIT, primary index of dermal irritation (PDII) 8,24,48, 72 h: IRREVERSIBLE

CAS: 1344-09-8 : 82%, MR = 2,4: Corrosive, RABBIT, primary index of dermal irritation (PDII) 4.6,24,48,72h: NOT TOTALLY REVERSIBLE.

Irritation:

- Irritation: SKIN- EYES – RESPIRATORY TRACT

Irritation factor, found in studies, has produced data responding in inverse proportion to the molar ratio, i.e. to molar ratio silica/soda responds a higher irritation factor and vice versa.

Such condition is also strictly dependent upon concentration: to minor concentrations corresponds a minor irritation and vice versa for increasing concentrations, molar ratio being equal. Cuthbert and Carr's studies show such a condition (1985).

To conclude, studies on rabbit have showed that, as already told, that effects of sodium silicate from irritating to corrosive depend upon the molar ratio and concentration.

CAS: 1344-09-8 : 35,4% MR = 3,4: Not irritating, RABBIT, primary index of dermal irritation (PDII) 0.4,24,48,72h: 1 species in 3 has showed a persistent reddening up to 72 hours and oedema only 48 hours after exposure.

CAS: 1344-09-8 : 38,25%, MR = 3,28: Non irritating, RABBIT, primary index of dermal irritation (PDII): 0,33

CAS: 1344-09-8 : 39,86%, MR = 2,4: Irritating, RABBIT, primary index of dermal irritation (PDII): 3 – Effescts persisting even after 5 days.

CAS: 1344-09-8 : 39,01%, MR = 2,8: Non irritating, RABBIT, primary index of dermal irritation (PDII): 0

CAS: 1344-09-8 : 40,93%, MR = 2: Irritating, RABBIT, primary index of dermal irritation (PDII): 3 IRREVERSIBLE

CAS: 1344-09-8 : 34,9%; MR = 3,45: Non irritating – low irritation, 10 healthy volunteers, males and females (OECD 404)

CAS: 1344-09-8 : 34,9%; MR = 3,45: Non irritating – low irritation, 10 healthy volunteers, males and females (COLIPA)

c) Severe ocular injuries/severe ocular irritations

According with Enclosure VIII of REACH column 2, no relative study has been made in vivo, as substance shows to be from corrosive to irritating, depending upon its characteristics. However, at the same time, studies in vitro show the usual inverse association between the molar ratio and irritation, also observed for skin irritation.

CAS: 1344-09-8 MR = 3,3: Rabbit – slightly irritating: 0,5 - 0.5, 1, 2, 3, 4 hours after treatment

CAS: 1344-09-8 MR = 3,0: Rabbit – slightly irritating: 1 - 0.5, 1, 2, 3, 4 hours after treatment

CAS: 1344-09-8 MR = 2,8: Rabbit – moderately irritating: 1-2 - 0.5, 1, 2, 3, 4 hours after treatment

CAS: 1344-09-8 MR = 2,6: Rabbit – irritating: 1-3 - 0.5, 1, 2, 3, 4 hours after treatment

CAS: 1344-09-8 MR = 2,4: Rabbit – much irritating: 1-4 - 0.5, 1, 2, 3, 4 hours after treatment



Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

CAS: 1344-09-8 MR = 2,0: Rabbit – much irritating: 1- 4 - 0.5, 1, 2, 3, 4 hours after treatment

d) Respiratory or skin sensitization

SKIN: sodium silicates do not appear to be sensitizing agents.

RESPIRATORY TRACT: available data are not enough for classification.

e) Mutagenicity of germinal cells

Available data in vitro on bacteria are negative. Sodium silicate molar ratio = 3.3 has not induced aberrant mutations of chromosomes in mammal cells in vitro, both in presence and in absence of metabolic activation. In vivo sodium silicates do not induce chromosomal aberration. Finally, it is not possible to attribute a genotoxic action to sodium silicate.

IN VITRO : NEGATIVE

IN VIVO : NEGATIVE

f) Carcinogenicity:

ORAL – INHALATION - DERMAL – OTHER WAYS

No data available to show a carcinogenic action of sodium silicate.

g) Toxicity for reproduction

EFFECTS ON FERTILITY: NOAEL value ascertained for relatives has been established in > 159 mg/kg bw/day. Concerning repeated toxicity dose in species rats and dogs, the microscopic and macroscopic exam of reproduction organs has not showed any relevant effect (Newberne & Wilson, 1970). NOAEL value for rats and dogs is > 2400 mg/kg bw/day.

No effect on reproduction organs in species male rat by subcutaneous and intratesticular injection of sodium silicate.

Therefore, NOAEL value has been determined > 8 mg/kg bw.

NOAEL (rat) >159 mg/kg bw/d.

EFFECTS ON MATURATION: NOAEL (mouse) > 200 mg/kg bw/day.

-Other effects:

NEUROTOXICITY: No data available

IMMUNOTOXICITY: No Data Available

h) Specific Toxicity for target organs (STOT) – single exposure: Data unavailable for water solutions.

i) Specific toxicity for target organs (STOT) – repeated exposure: Data unavailable for solutions in water.

j) Danger in case of aspiration: data non-pertinent for solutions in water.

11.1.2: FORMULATES: Being a substance, there is no other recommendation to remark

a) Acute Toxicity	: NN
b) Irritation	: NN
c) Corrosion capacity	: NN
d) Sensitization	: NN
e) Toxicity by repeated doses	: NN
f) Carcinogenicity	: NN
g) Mutagenicity	: NN
h) Reproductive toxicity	: NN

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Utilizzare secondo le buone pratiche lavorative, evitando di disperdere il prodotto nell'ambiente.

Dati relativi al SODIO SILICATO CAS 1344-09-8

a) Tossicità acquatica acuta:

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

EC50: 1700 mg/l (48h) Daphnia magna

LC50: 1108 mg/l (96 h)

ALCOHOLS SEC. ETOXILATES C 11-15

	Parameter	Method	Value	Duration	Species
Acute toxicity: fish	LC50		1/10 mg/L.	96 hrs.	PIMEPHALES PROMELAS
Acute toxicity: invertebrates	EC50		4,1 mg/L.	48 hrs.	DAPHNIA MAGNA
Acute toxicity: other aquatic organisms	EC50		>1000 mg/L.		BACTERIA

12.2 Persistence and degradability:

Silicates are substances NOT subject to biodegradability.

ALCOHOLS SEC. ETOXILATES C 11-15

Biodegradation in water

Method Value Lifetime Value determination

OECD 301F: test of manometric respirometry

65% 28 days. Experimental value

Conclusion:

Promptly biodegradable in water.

12.3. Potential of bio-accumulation:

Not relevant.

12.4. Mobility in soil:

ALCOHOLS SEC. ETOXILATES C 11-15

Slightly volatile.

Water soluble.

12.5. Results of PBT and vPvB evaluation:

This formulate does not match the screening parameters for persistence and bioaccumulation, therefore it is not considered neither PBT nor vPvB.

12.6. Other adverse effects:

ALCOHOLS SEC. ETOXILATES C 11-15

Marine pollutant (surface waters).

SECTION 13: CONSIDERATIONS ABOUT WASTE DISPOSAL

13.1. Waste disposal methods:

Waste disposal according to national and regional rules; we recommend neutralization before waste.

Waste disposal of contaminated packaging according to national or regional rules, we recommend washing with water before waste.

Transfer the product to an authorized incinerator with energy recovery. Remove the product according to the local rules in force. Agreement from environmental authorities is required, before forwarding the product to plants for water treatment.

14. CONVEYANCE INFORMATION

Road haulage/railway transport ADR/RID:

14.1. ONU Nr.: NOT subject

14.2. ONU shipment name: NOT subject

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
 Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
 www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

14.3. Danger class relating to transport:	NOT subject
14.4. Packing group:	NOT subject
14.5. Danger for the environment	NOT subject
14.6. Special precautions for users:	NOT subject
14.7. Transport of bulk transport according to enclosure Nr. II MARPOL 73/78 and IBC code	NOT subject
Other information	NOT subject

SECTION 15: REGULATION INFORMATION

15.1. Rules and legislation about health, safety and environment specific for substance or formulate:

- D.Lgs. 9/4/2008 Nr. 81:
- D.M. Lavoro 26/02/2004 (Professional limits of exposure)
- Regulation (CE) Nr. 1907/2006 (REACH)
- Regulation (CE) Nr. 1272/2008 (CLP)
- Regulation (CE) Nr. 790/2009 (ATP 1 CLP) and (UE) Nr. 758/2013
- Regulation (UE) Nr. 453/2010 (Enclosure II)
- Regulation (UE) Nr. 286/2011 (ATP 2 CLP)
- Regulation (UE) Nr. 618/2012 (ATP 3 CLP)
- Regulation (UE) Nr. 487/2013 (ATP 4 CLP)
- Regulation (UE) Nr. 944/2013 (ATP 5 CLP)

Including any possible regulations reference quoted in the Directives here above.

Substances contained into the formulate undergoing restriction or authorization (REACH): None

15.2. Evaluation of chemical safety: None

16. OTHER INFORMATION

HISTORY OF MSDS:

Useful Dates		Modifications	
Date of issue	: 05.02.2014	Rev. 0.0 According to:	453/2010 CE See directive for modifications
Date of previous revision	: 29.10.2015	Rev. 1.2 According to:	830/2015 CE See directive for modifications
Date of current revision	: 05.05.2016	Rev. 1.2 According to:	830/2015 CE See directive for modifications

Modifications compared to the previous version:

Modifications made according to requirements by the rules in force.

ADR:	European agreement about international road transport of dangerous goods.
CAS:	Chemical Abstracts Service (a Division of American Chemical Society).
CLP:	Classification, Labelling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Global Harmonized System of Classification and Labelling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation of "International Air Transport Association" (IATA).

Abbreviations et acronyms:

Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com



**Rev. Nr. 1.2 Date: 05/05/2015**

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by " International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Dangerous Goods Code.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Strickler coefficient.
LC50:	Lethal Concentration for 50% of test population.
LD50:	Lethal Dose for 50% of test population.
LTE:	Long Term Exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Règlement concernant les transports internationaux ferroviaire des marchandises dangereux.
STE:	Short Term Exposure.
STEL:	Short Term Exposure Limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limit Value.
TWATLV:	Threshold Limit Value Time Weighted Average for 8 hours. (ACGIH Standard).
WGK:	Danger class for water –(Wassergefährdungsklasse) (Germany).

BIBLIOGRAPHY AND DATA SOURCES:

- Directives: CE 648/2004 - CE 1907/2006 - CE 1272/2008 - CE 453/2010
- ADR agreement and complementary rules about dangerous goods.
- CLP® MAP
- Safety data sheets by our suppliers of substances and products.
- European chemical substances information system
- <http://modellids.iss.it/>
- TLV and BEIs – ACGIH Ed.2015

Method of evaluation to determine formulate classification (CE 1272/2008):

Method : Calculation

COMPLETE LIST OF DANGER MARKS AND SAFETY WARNINGS:

<i>H Phrases</i>	<i>P Phrases</i>
H302: Harmful if swallowed	P234: Keep only in original container.
H314: causes severe skin burns and severe ocular injuries	P260: Do not breathe dust/fume/gas/mist/vapours/spray.
H315: Causes skin irritation	P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
H318: May cause severe eye injury	P264: Wash thoroughly after handling.
H319: Causes severe ocular injury	P271: Use only outdoors or in a well-ventilated area.
	P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
	P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
	P390: Absorb spillage to prevent material damage.
	P405: Store locked up
	P406: Store in corrosive resistant/... container with a resistant inner linen.
	P501: Dispose of contents/container in collection points for dangerous or special waste.



Faber Chimica s.r.l. – Loc. Campo d'Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
 Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
 www.fabersurfacecare.com





Rev. Nr. 1.2 Date: 05/05/2015

Safety data sheet according to Regulation CE 1272/2008 (CLP) and 1907/2006 (REACH) and further amendments and integrations

Compilation date: 05/02/2014

EPOXY RESIDUE REMOVER

Classification: GHS05 H314

The information contained is based upon our knowledge at the date mentioned here above. It is only referred to the product and is not a warranty of particular qualities. The user must ensure about fitness and completeness of this information regarding to its specific use. This MSDS cancels and replaces any previous edition.



Faber Chimica s.r.l. – Loc. Campo d’Olmo Via G. Ceresani, 10 60044 Fabriano (AN) – ITALY
Tel. +390732-627178 Fax +390732-22935 E-mail: info@fabersurfacecare.com
www.fabersurfacecare.com

