

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029B
		Revision	1
IPER VETRO COMPONENTE B		Revision Date	23/12/2020
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SECTION 1. Identification of the substance or mixture and of the company/enterprise

1.1. Product identifier

Code: **1029-B**
Description: **IPER VETRO COMPONENTE B**
UFI code: 0110-102P-H00W-MXDW

1.2. Relevant identified uses of the substance or mixture and uses not recommended

Relevant uses: **THIXOTROPIC EPOXY FINISH FOR PROFESSIONAL USE**

1.3. Safety datasheet supplier information

Company Name: **GIORGIO GRAESAN AND FRIENDS s.a.s.**
Address: **Via BERGAMO 24
20037 PADERNO DUGNANO
ITALY
Tel. 02/9903951
Fax. 02/99039590**

the e-mail address of the competent person responsible for the safety datasheet is **tecnico@giorgiograesan.it**

1.4. Emergency telephone number

Phone number: **02/99039541 from Monday to Friday 8.30-12.30/14.00-18.00**

SECTION 2. Hazard identification.

2.1. Classification of the substance or mixture.

Classification according to EC Regulation No. 1272/2008 (CLP/GHS)
Acute Tox. 4, Harmful if swallowed.
STOT SE 3, May cause respiratory irritation.
Causes severe skin burns and serious eye damage
Skin Sens. 1, 1A, 1B, May cause an allergic skin reaction.
Aquatic Chronic 2, 3, Harmful to aquatic life with long lasting effects.

Physico-chemical effects harmful to human health and the environment: no other hazards

2.2. Label elements according to Regulation no. 1272/2008.

Hazard indications:

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Hazard pictograms:



Warning: danger

Precautionary statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fumes/gas/mist/vapours/spray.
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.

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P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P301+P312 IF SWALLOWED with discomfort: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned, get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see... on this label).
P322 Specific measures (see... on this label).
P333+P313 If skin irritation or rash occurs: get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P403+P233 Store in a well-ventilated place and keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with regulations.

Contains:

Poly (oxy(methyl-1,2-ethanediyl)), alpha- (2-aminomethylethyl)omega- (2-aminomethyl), Trimethylhexane-1,6-diamine, Benzyl alcohol

Special provisions: contains epoxy resins: none.

Special provisions based on Annex XVII of REACH and subsequent adaptations: none

Safety datasheet available at: www.giorgiograesan.it

2.3. Other hazards.

The product does not meet the PTB/vPvB criteria

SECTION 3. Composition/information on ingredients.

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous components pursuant to Directive 67/548/EEC and the Regulation concerning the classification, labelling and packaging of substances and preparations, and their classification:

Components

Identification	Chemical name	Classification (EC REGULATION NO. 1272/2008)	Conc. [%]
CAS no: 9046-10-0 CE: Index: Reach: 01- 2119557899- 12	Poly (oxy(methyl-1,2-ethanediyl)), alpha- (2-aminomethylethyl)omega- (2-aminomethyl)	Skin Corr. 1C H314 STOT SE 3 H335 Aquatic Chronic 3 H412	60% - 70%
CAS no: 25620-58-0 CE: 247-134-8 Index: Reach: 01-2119560598-25	Trimethylhexane-1,6-diamine CAS No: EC Numbers: REACH no.	Skin Corr. 1B ! H314 Causes severe skin burns and eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. Oral Acute Tox. 4 H302. Harmful if swallowed	5- 10%
CAS No: 100-51-6 CE: 202-859-9 Index: 603-057-00-5 Reach: 01-2119492630-38-XXXX	Benzyl alcohol	3.1/4/Inhal Acute Tox. 4 H332 3.1/4/Oral Acute Tox. 4 H302 3.3/2 Eye Irrit. 2 H319	2% - 5%

See section 16 for the full text of the H statements in this section

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SECTION 4. First aid measures.

4.1 Description of first aid measures:

Symptoms due to poisoning may appear after exposure, so if in doubt, seek medical advice following direct exposure to the chemical or persistent discomfort, showing the SDS of this product.

For inhalation:

If breathing is irregular or absent, perform artificial respiration.
Bring the injured person to fresh air and keep them warm and at rest.

For skin contact:

Remove contaminated clothing immediately and dispose of it safely.
Wash immediately with plenty of running water and possibly soap the areas of the body that have come into contact with the toxic substance, even if only suspected. Wash the body thoroughly (shower or bathroom).

For eye contact:

In case of contact with the eyes rinse them with water for an appropriate period of time and keeping the eyelids open, then consult an ophthalmologist immediately.

Protect the unharmed eye.

For ingestion/aspiration:

Never induce vomiting. SEEK MEDICAL ATTENTION IMMEDIATELY Do not give anything to eat or drink.

4.2. Main symptoms and effects, both acute and delayed.

The product is harmful by acute exposure and presents serious health risks if inhaled or ingested. The product is corrosive and, when brought into contact with the skin, causes burns, destroying the entire thickness of the skin tissue

4.3. Indication of any need for immediate medical advice and special treatments.

Treatment: In case of an accident or discomfort seek medical advice immediately (if possible show the instructions for use or safety datasheet)
.Treatment: (see section 4.1).

SECTION 5. Fire-fighting measures.

5.1. Extinguishing media.

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguish large fires with spray water or alcohol resistant foam.

Extinguishing media not to be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture.

Do not inhale gases generated by explosion and combustion.

Combustion produces heavy smoke.

The fumes released during a fire may contain ingredients in their unaltered state or unidentified toxic and/or irritant compounds

5.3. Recommendations for fire extinguishers.

Use appropriate respiratory equipment.

Collect contaminated water used to extinguish the fire separately. Do not drain it in the sewer.

Cool containers at risk by spraying them with water.

If feasible from a safety point of view, move undamaged containers away from the area of immediate danger.

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and procedures in case of emergency.

Wear personal protective equipment.

Wear respiratory equipment when exposed to vapours/dust/spray.

Provide adequate ventilation.

Move people to a safe place

See the protective measures set out in sections 7 and 8.

6.2. Environmental precautions.

Prevent penetration into the soil/subsoil. Prevent run-off into surface water or sewage system.

Retain contaminated washing water and dispose of it.

In the event of a gas leak or penetration into watercourses, soil or sewage system, inform the responsible authorities.

Material suitable for collection: absorbent material, organic substances, sand

6.3. Methods and materials for containment and cleansing.

Provide sufficient ventilation. Collect the liquid with absorbent material (sand, silica gel, acid binder, universal binder, sawdust). Dispose of the collected material as required by law. Carefully clean the site of the accident: water should be used for this operation

Wash with plenty of water.

6.4. Reference to other sections.

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Any information regarding personal protection and disposal is set out in sections 8 and 13.

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SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Avoid contact with skin and eyes, the inhalation of vapours and mists.
 Only operate in well-ventilated environments or use the localised ventilation system.
 Do not use empty containers before they have been cleaned.
 Before the transfer operations, make sure that there are no incompatible residual materials in the containers.
 Contaminated clothing must be replaced before entering dining areas.
 During work, do not eat or drink.
 See also paragraph 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Store containers in well-ventilated rooms away from any incompatible materials, checking section 10.
 Keep containers tightly closed, in suitable environments at +5°C to +30°C.
 Avoid sources of heat, radiation, static electricity and contact with food.

7.3. Particular end uses.

Not available

SECTION 8. Exposure control/personal protection.

8.1. Control parameters

Benzyl alcohol - Index: 603-057-00-5, CAS: 100-51-6, EC No: 202-859-9

Consumer: 25 mg/kg - Exposure: Human Oral - Frequency: Short-term systemic effects
 Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long-term, systemic effects


Poly (oxy(methyl-1,2-ethanediyl)), alpha- (2-aminomethylethyl)omega- (2-aminomethyl) - CAS: 9046-10-0

TLV TWA - TLV STEL- VLE 8h- VLE short: None
 DNEL exposure limit values
 Professional worker: 0.623 mg/cm² - Exposure: Human Skin Long-term 8h local effects
 Professional worker: 2.5 mg/kg bw/day - Exposure: Human Skin Long-term 8h systemic effects

8.2. Exposure controls

Considering that the use of appropriate technical measures should always take precedence over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.
 When choosing personal protective equipment, consult your chemical suppliers if necessary.
 Personal protective equipment must bear the EC marking attesting to its compliance with the regulations in force.

HAND PROTECTION

Pictogram	PPE	Marked	ECN standards	Remarks
 Mandatory hand protection	Use protective gloves that guarantee total protection, e.g. fluorinated rubber (Viton) Nitrile rubber Butyl rubber	CE CAT. III.	EN 374	Replace gloves at first sign of deterioration. For periods of prolonged exposure to the product by professional/industrial users, the use of CE III gloves is recommended in accordance with EN 420 and EN 374.

The choice of suitable gloves depends not only on the material but also on other quality characteristics that vary from one manufacturer to another. Ask the glove supplier for the specific permeation rate that must be strictly observed.



SKIN PROTECTION

Pictogram	PPE	Marked	ECN standards	Remarks
	Work clothing that guarantees total protection (rubber, pvc)	CE CAT I		Replace at the first sign of deterioration. For periods of prolonged exposure by professional / industrial users, CE III is recommended, according to EN ISO 6529: 2001, EN ISO 6530: 2005, EN ISO 13688: 2013, EN 464: 1994
	Non-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace at the first sign of deterioration. For periods of prolonged exposure by professional / industrial users, CE III is recommended, according to EN ISO 20345 and EN 13832-1

Wash with soap and water after removing protective clothing.

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EYE PROTECTION

Pictogram	PPE	Marked	ECN standards	Remarks
 Mandatory face protection	Full-vision safety goggles to protect against splashes and/or projections		EN 166:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use is recommended if there is a risk of splashing.

RESPIRATORY PROTECTION

Use appropriate respiratory protective equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

If the limit value of one or more of the substances in the preparation is exceeded based on the daily exposure in the work environment or a fraction thereof established by the company prevention and protection service, wear a mask with type A or universal filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use (ref. Standard EN 141). The use of respiratory protective equipment, such as masks with cartridges for organic vapours and for dust/mists, is necessary in the absence of technical measures to limit worker exposure. However, the protection offered by masks is limited. If the substance in question is odourless or its olfactory limit exceeds the relevant exposure limit and in case of an emergency, i.e. when the exposure levels are unknown or the oxygen concentration in the work environment is less than 17% in volume, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air breathing apparatus for use with a full mask, half-mask or mouthpiece (ref. standard EN 138). If there is a risk of being exposed to splashes or sprays in relation to the work carried out, adequate protection of the mucous membranes (mouth, nose, eyes) must be provided in order to avoid accidental absorption

THERMAL HAZARDS

None

ENVIRONMENTAL EXPOSURE CONTROLS.

None.

In case of insufficient ventilation use a mask with AK2 filters (EN 141).

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Appearance:	clear liquid
Colour:	light blue
Smell:	ammoniacal
Odour threshold:	Not applicable
pH:	Not applicable
Melting/freezing point:	Not applicable
Boiling point/boiling range:	>190°C
Solid/gas flammability:	Not applicable
Upper/lower flammability or explosion limit:	Not applicable
Vapour density:	Not applicable
Flash point:	>100°C
Evaporation rate:	Not applicable
Steam pressure:	Not applicable
Water solubility:	partially emulsifiable
Relative density:	1.00 kg/l
Liposolubility:	Not applicable
Partition coefficient: (n-octanol/water):	Not applicable
Autoignition temperature:	300°C
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

9.2. Other information

Dry residue:	Not applicable
VOC (Directive 2004/42/EC):	26.0 g/litre
VOC (volatile carbon):	Not applicable
Miscibility:	Not applicable
Liposolubility:	Not applicable
Conductivity:	Not applicable
Characteristic properties of groups of substances:	Not applicable

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SECTION 10. Stability and reactivity.

10.1. Reactivity.

No dangerous reaction.

10.2. Chemical stability.

The product is stable under normal handling, use and storage conditions.

10.3. Possibility of dangerous reactions.

It can generate flammable gases in contact with elemental metals (alkali and alkaline earth), strong reducing agents.

It can generate toxic gases in contact with oxidising mineral acids, halogenated organic substances, organic peroxides and hydroperoxides, strong oxidising agents.

May ignite in contact with strong oxidising agents.

10.4. Conditions to avoid.

Stable under normal conditions

10.5. Incompatible materials.

10.6. Hazardous decomposition products.

Nitrogen oxides (NOx) Carbon monoxide (CO) and carbon dioxide (CO2) Corrosive gases/vapours Toxic gases/vapours

SECTION 11. Toxicological information.

In the absence of experimental toxicological data on the product itself, any hazards of the product to health have been assessed on the basis of the properties of the substances contained, according to the criteria laid down in the reference legislation for classification.

Therefore, consider the concentration of the individual hazardous substances mentioned in section 3, if any, in order to assess the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Toxicological information concerning the mixture:

Penetration routes.

Ingestion: yes

Inhalation: yes

Contact: skin irritation and sensitisation.

No toxicological data is available on the mixture as such. Therefore, the concentration of the individual substances should be taken into account in order to assess the toxicological effects of exposure to the mixture.

The toxicological information concerning the main substances in the preparation is provided below.

Toxicological information concerning the main substances included in the mixture:

Poly (oxy(methyl-1,2-ethanediyl)), alpha- (2-aminomethylethyl)omega- (2-aminomethyl - Index: N.A., CAS: 9046-10-0, EC No: N.A.

Skin irritation: Dangerous in case of skin contact (corrosive)

Draize Method 80.00-110.00/110 (Rabbit) Eye Irritation:

Very dangerous in case of eye contact (irritant).

Draize Method 6.40-8.00/8.0 (Rabbit) Acute Toxicity:

Acute oral toxicity (LD50): 2880 mg/kg (Rat)

Acute dermal toxicity (LD50): 2980 mg/kg (Rabbit)

Chronic toxicity:

It can cause dermatitis. Repeated or prolonged exposure to the substance may cause lung damage.

Specific target organ toxicity (STOT) — single exposure

Inhalation Respiratory irritation May cause respiratory irritation.

Benzyl alcohol - CAS: 100-51-6

Acute toxicity:

Test: LD50 - Via: Skin - Species: Rabbit 2000 mg/kg

Test: LD50 - Via: Oral - Species: Rat 1230 mg/kg

Test: LC50 - Via: Inhalation - Species: Rat > 4.1 mg/l - Duration: 4h

Trimethylhexane-1,6-diamine Index: N.A., CAS: 25620-58-0, EC No: N.A.

Acute oral toxicity: LD50 rat: 910 mg/kg Skin irritation: corrosive Eye irritation: risk of serious eye damage Sensitisation: sensitising

Corrosivity/Irritancy: Skin

Corrosive. Contact can cause burns.

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Eye: Direct contact can cause serious eye damage.
Sensitising potential: Possible for repeated contact.
Cancerogenesis: No effect highlighted
Mutagenesis: No effect highlighted.
Teratogenesis: No effect highlighted.
Sensitisation May cause sensitisation by skin contact.

Other information:

The predisposition to skin sensitisation varies from person to person. Allergic dermatitis may not initially occur in a sensitised person and may only appear after several days or weeks of frequent and prolonged contact. For this reason contact with the skin should be carefully avoided. Upon sensitisation, even exposure to very small amounts of material can cause local oedema and erythema.

Unless otherwise specified, the data required by Regulation 453/2010/EC below is to be understood as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/serious eye irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) toxicity to reproduction;
- h) specific target organ toxicity (STOT) - single exposure:
Skin. Eyes. Respiratory system. Central nervous system. Eye disease
Skin disorders and allergies. Asthma. Neurological disorder
- i) specific target organ toxicity (STOT) - repeated exposure;
- j) danger in the event of aspiration.

SECTION 12. Ecological information.

Since no specific data is available on the preparation, it must be used according to good working practices without releasing the product to the environment. Avoid releasing the product into the soil or waterways. Notify the competent authorities if the product reaches waterways or contaminates soil or vegetation. Take measures to minimise the effects on the groundwater.

12.1 Toxicity

Use according to good working practices without releasing the product to the environment.

Harmful to aquatic life, it can cause long-term adverse effects on the aquatic environment.

Elimination data (persistence and degradability) Biodegradability: 42% Coupled Units

Readily biodegradability test 8%

Poly (oxy(methyl-1,2-ethanediyl)), alpha- (2-aminomethylethyl)omega- (2-aminomethyl - Index: N.A., CAS: 9046-10-0, EC No: N.A.

- Experimental copepoda 48 hours LC50 418 mg/l
- Experimental water flea 48 hours EC50 80 mg/l
- Experimental green algae 72 hours EC50 15 mg/l
- Experimental Sheepshead Minnow 96 hours LC50 772 mg/l
- Experimental Diatom 72 hours EC50 142 mg/l

Benzyl alcohol - CAS: 100-51-6

- Acute aquatic toxicity:
- Endpoint: LC50 - Species: Fish = 10 mg/l - Duration h: 96
- Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96
- Endpoint: EC50 - Species: Algae = 700 mg/l - Duration h: 72

Trimethylhexane-1,6-diamine

- Aquatic toxicity:
- LC 50 Leuciscus idus melanotus: 174 mg/l/48h
- LC 0 Leuciscus idus melanotus: 150 mg/l/48h
- EC50 Daphnia magna: 31.5 mg/l/24h
- C10 Pseudomonas putida. 72 mg/l/16 h

12.2. Persistence and degradability

No other information is available.

12.3. Bioaccumulative potential

12.4. Mobility in soil

No other information is available.

12.5. Results of PBT and vPvB assessment

List of contained substances hazardous to the environment and their classification:

Trimethylhexane-1,6-diamine CAS: 25620-58-0 R52/53

Harmful to aquatic life, it can cause long-term adverse effects on the aquatic environment. Biodegradability elimination data: Not readily biodegradable (7%) Effects related to ecotoxicity: Toxicity to fish: LC50 Leuciscus idus melanotus: 174 mg/l / 48h

12.6. Other adverse effects

None

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SECTION 13. Disposal considerations.

Text of the sentences used in paragraph 3:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

This document has been prepared by an SDS technician who has received appropriate training.

Main bibliographical sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition – Van Nostrand Reinold

CCNL - Annex 1

Istituto Superiore di Sanità - National Inventory of Chemicals

The information contained therein is based on our knowledge as of the date stated above.

It refers only to the indicated product and does not constitute a guarantee of particular quality.

The user is required to ensure the suitability and completeness of this information in relation to the specific use to be made thereof.

This datasheet cancels and replaces any previous edition.

13.1. Waste treatment methods.

Recover if possible. Send to authorised disposal facilities or for incineration under controlled conditions. Operate in accordance with local and national regulations (Presidential Decree 915/82 et seq.).

Refer to special instructions/safety datasheets.

91/156/EEC, 91/689/EEC, 94/62/EC and subsequent adaptations. Disposal of uncured product (CER code):! 08 04 09

The European waste code suggested here is based on the composition of the product in its unaltered state.

Depending on the specific fields of use, it may be necessary to assign a different code to the waste

SECTION 14. Transport information.

14.1. UN Number

ADR-UN Number: 2735

IATA-UN Number: 2735

IMDG-UN Number: 2735

14.2. UN proper shipping name

ADR-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.,

IMDG-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.,

14.3. Transport hazard classes

ADR-Class: 8, II

ADR - Hazard Identification Number: 80

IATA-Classes: 8

IATA-Label: Corrosive

IMDG-Class: 8

IMDG-Class: 8



14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

IMDG-Marine pollutant: Yes

14.6. Special precautions for users

IATA-Passenger Aircraft: 808

IATA-Cargo Aircraft: 812

IATA-ERG: 8L

IMDG-EMS: F-A , S-B

IMDG-MFAG: 320

IMDG-Storage category: B

IMDG-Storage notes: Clear of living quarters.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

No

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SECTION 15. Regulatory information.

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

Specific safety, health and environmental standards and legislation for the substance or mixture

Italian Legislative Decree no. 52 of 3/2/1997 (Classification, packaging and labelling of dangerous substances)

Legislative Decree no. 65 of 14/3/2003 (Classification, packaging and labelling of dangerous preparations)

Italian Legislative Decree no. 25 of 02/02/2002 (Risks arising from chemical agents at work)

Italian Ministerial Decree of Labour 26/02/2004 (Occupational exposure limits)

Italian Ministerial Decree 03/04/2007 (Implementation of Directive 2006/8/EC)

Regulation (EC) no. 1907/2006 (REACH)

Regulation (EC) no. 1272/2008 (CLP)

Regulation (EC) no. 790/2009 (ATP 1 CLP)

Regulation (EU) no. 453/2010 (Annex I)

Regulation (EU) no. 286/2011 (ATP 2 CLP)

Restrictions on the product or substances contained in accordance with Annex XVII to Regulation (EC) 1907/2006 (REACH) and subsequent adaptations:

Restriction 3

Where applicable, refer to the following regulations:

Ministerial circulars 46 and 61 (Aromatic amines).

Italian Legislative Decree no. 238 of 21 September 2005 (Seveso Ter Directive)

Regulation (EC) no. 648/2004 (Detergents).

Italian Legislative Decree no. 152 of 03/04/2006 Environmental standards

15.2. Chemical safety assessment

N.A.

SECTION 16. Other information.

Text of the sentences used in paragraph 3:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

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LEGEND

ADR: European agreement concerning the international carriage of dangerous goods by road.

CAS No: Chemical Abstract Service (division of the American Chemical Society).

CLP: Classification, Labelling, Packaging.

DNEL: Derived no effect level.

EINECS: European inventory of existing commercial chemical substances.

GefStoffVO: Dangerous Substances Ordinance, Germany.

GHS: Globally harmonised system of classification and labelling of chemicals.

IATA: International Air Transport Association.

IATA-DGR: Regulations for the transport of dangerous goods of the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organisation.

ICAO-TI: Technical instructions of the International Civil Aviation Organisation (ICAO).

IMDG: International Maritime Dangerous Goods Code.

INCI: International nomenclature of cosmetic ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration for 50% of the tested population.

LD50: Lethal dose for 50% of the tested population.

PNEC: Predicted no effect concentration.

RID: Regulation concerning the international carriage of dangerous goods by rail.

STEL: Short-term exposure limit.

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STOT: Specific target organ toxicity.
TLV: Threshold limit value.
TWATLV: Threshold limit value for a time weighted average exposure of 8 hours per day. (ACGIH standard).
WGK: German water hazard class.

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