

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A	
		Revision	1	
	IPER VETRO COMPONENTE A		Revision Date	23/12/2020
			Page	1 of 10

SECTION 1. Identification of the substance or mixture and of the company/enterprise

1.1. Product identifier

Code: **1029-A**
Description: **IPER VETRO COMPONENTE A**
UFI code: **NX00-H0D9-700E-XKTU**

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)

H319 Eye Irrit. 2, Causes serious eye irritation.
H315 Skin Irrit. 2, Causes skin irritation.
H317 Skin Sens. 1, 1A, 1B, May cause an allergic skin reaction.
H411 Aquatic Chronic 2, Toxic 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:

H315 Causes skin irritation
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects
EUH205: Contains epoxy components. May cause an allergic reaction

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.
P272 Contaminated work clothing should not be allowed out of the workplace.

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A
		Revision	1
IPER VETRO COMPONENTE A		Revision Date	23/12/2020
		Page	2 of 10

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see... on this label).
P332+P313 If skin irritation occurs: get medical advice/attention.
P333+P313 If skin irritation or rash occurs: get medical advice/attention.
P337+P313 If eye irritation persists, get medical advice/attention.
P362 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with regulations.

Contains: reaction product: bisphenol-A/F-epichlorohydrin; epoxy resins (average molecular weight <= 700), oxirane, mono [(C12-14-alkyloxy)methyl] derivatives,

Special provisions: contains epoxy resins. Read the manufacturer's information

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: 25068-38-6 CE: 500-033-5 Index: 603-074-00-8 Reach: 01-2119456619-26-0012	bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight <= 700)	3.3/2 Eye Irrit. 2 H319 3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317 4.1/C2 Aquatic Chronic 2 H411	60% - 70%
CAS no: 9003-36-5 CE: 500-006-8 Index: Reach: 01-2119454392-40-0001	bisphenol-F-(epichlorohydrin) MW <700	3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317 4.1/C2 Aquatic Chronic 2 H411	20% - 25%
CAS No: 68609-97-2 CE: 271-846-8 Index: 603-103-00-4 Reach: 01-2119485289-22-xxxx	oxirane, mono [(C12-14-alkyloxy)methyl] derivs.	3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317	10-15% - 20%

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

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.

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A	
		Revision	1	
	IPER VETRO COMPONENTE A		Revision Date	23/12/2020
			Page	3 of 10

For skin contact:

Remove contaminated clothing immediately.

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. Most important symptoms and effects, both acute and delayed: none

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.

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

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A
		Revision	1
IPER VETRO COMPONENTE A		Revision Date	23/12/2020
		Page	4 of 10

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Keep away from heat, sparks and open flames, do not smoke or use matches or lighters. Use in well-ventilated environments. Without adequate ventilation, the vapours can accumulate on the ground and catch fire even at a distance, if ignited, with the risk of backfire. Avoid the accumulation of electrostatic charges. Connect to a grounding socket in the case of large packaging during transfer operations and wear anti-static shoes. Strong agitation and the vigorous flow of liquid in the pipes and equipment can cause the formation and accumulation of electrostatic charges. To avoid the danger of fire and explosion, never use compressed air in handling. Open containers with caution, as they may be pressurised. Do not eat, drink or smoke during use. Do not release the product to the environment.

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.

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

DNEL exposure limit values

bisphenol-A- (epichlorohydrin) MW < 700 - CAS: 25068-38-6		
Exposure	Worker	Value
Human Skin Long-term (repeated)	professional	8.33 mg/kg
Human Skin Short-term (acute)	professional	8.33 mg/kg
Human Inhalation Short-term (acute)	professional	0.012 mg/l
Human Inhalation Long-term (repeated)	professional	0.012 mg/l

PNEC exposure limit values

bisphenol-A- (epichlorohydrin) MW < 700 - CAS: 25068-38-6	
Target	Value
Freshwater	0.006 mg/l
Freshwater sediments	0.0627 mg/kg
Seawater	0.0006 mg/l
Seawater Sediments	0.00627 mg/kg
Micro-organisms in wastewater treatment	10 mg/l

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 or by discharging stale air. If these operations do not allow the concentration of the product to be kept below the exposure limit values in the workplace, appropriate respiratory protection must be worn.

Eye protection:

Use full-face safety visors, do not use eyeglasses.

Skin protection:

Wear clothing that provides total protection for the skin, e.g. rubber, PVC or viton.

Hand protection:

Use protective gloves that guarantee total protection, e.g. fluorinated rubber (Viton) Nitrile rubber Butyl rubber

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.

Respiratory protection:

Not required for normal use

In case of formation of airborne vapours, use appropriate respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Thermal risks:

None

Environmental exposure controls:

None

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A	
		Revision	1	
	IPER VETRO COMPONENTE A		Revision Date	23/12/2020
			Page	5 of 10


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.

EYE PROTECTION

Pictogram	PPE	Marked	ECN standards	Remarks
 Mandatory face protection	Full-vision safety goggles to protect against splashes and/or projections	CE CAT II	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

If the limit value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a type A filter mask whose class (1, 2 or 3) should be selected in relation to the limit concentration of use. (ref. EN 14387). If there are gases or vapours of a different nature and/or gases or vapours with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of respiratory protective equipment is necessary if the technical measures taken are not sufficient to limit the worker's exposure to the limit values taken into account. However, the protection offered by masks is limited.

If the substance in question is odourless or its olfactory limit exceeds the relevant TLV-TWA and in case of an emergency, wear an open-circuit compressed air breathing apparatus (ref. EN 137) or fresh air breathing apparatus (ref. EN 138). Refer to EN 529 for the correct choice of respiratory equipment.

THERMAL HAZARDS

None

ENVIRONMENTAL EXPOSURE CONTROLS.

None.

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Appearance:	dense paste
Colour:	opalescent whitish
Smell:	mild
Odour threshold:	Not applicable
pH:	Not applicable
Melting/freezing point:	Not applicable
Boiling point/boiling range:	>150°C

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A
		Revision	1
IPER VETRO COMPONENTE A		Revision Date	23/12/2020
		Page	6 of 10

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:	1.20 kg/l
Liposolubility:	Not applicable
Partition coefficient: (n-octanol/water):	3.242 log POW (modified shake flasktest)
Autoignition temperature:	>200°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:	alcohols, glycol ethers and aromatic hydrocarbons
Conductivity:	Not applicable
Characteristic properties of groups of substances:	Not applicable

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.

Heat-triggered polymerization.

Reaction with amines.

Reactions with acids.

Reactions with alkali (alkaline solutions).

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

May ignite in contact with oxidising mineral acids, elemental metals (alkali and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising and 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.

None of them.

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 main substances included in the mixture:

bisphenol-A- (epichlorohydrin) MW < 700 - CAS: 25068-38-6

(a) acute toxicity:

Test: LD50 - Via: Oral - Species: Rat = 15000 mg/kg

Test: LD50 - Via: Skin - Species: Rat = 23000 mg/kg

b) skin corrosion/irritation:

Test: Skin irritant Positive

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A
		Revision	1
	IPER VETRO COMPONENTE A	Revision Date	23/12/2020
		Page	7 of 10

c) serious eye damage/serious eye irritation:
Test: Eye irritant Positive

Repeated dose toxicity

NOAEL (oral): 50 mg/kg bw/day
NOAEL (dermal) 100 mg/kg bw/day

oxirane, mono [(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

(a) acute toxicity:

Test: LD50 - Via: Oral - Species: Rat = 19200 mg/kg
Test: LD50 - Via: Skin - Species: Rabbit > 4500 mg/kg

The epoxy resins contained in this product are only slightly irritating. All epoxy resins, however, can cause skin sensitisation that varies from person to person. Allergic dermatitis may not initially occur in a person and may only appear after several days or weeks of frequent and prolonged contact. For this reason, even if the resins are only slightly irritating, 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;
- 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

bisphenol-A- (epichlorohydrin) MW < 700 - CAS: 25068-38-6

Acute aquatic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.3 mg/l - Notes: 21 d
Endpoint: EC50 - Species: Daphnia = 1.8 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 2 mg/l - Duration h: 96

12.2. Persistence and degradability

N.A.

Reaction product: bisphenol-A-(epichlorohydrin) MW<700 – CAS: 25068-38-6

Biodegradability: not fast biodegradable – Test: N.A. – Duration: N.A. – Note: N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

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

reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight <= 700) CAS: 25068-38-6 EC: 500-035-3 R51/53 Toxic to aquatic life, it can cause long-term adverse effects on the aquatic environment.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Waste generation should be avoided or minimised where possible. Disposal of this product, solutions and any by-products must always be carried out in accordance with the environmental protection and waste disposal law and respecting the requirements of each relevant local authority. Disposal must be entrusted to a company authorised to manage waste, in compliance with national and possibly local legislation. Absolutely avoid dispersing the product in the soil, sewers or waterways.

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A
		Revision	1
	IPER VETRO COMPONENTE A	Revision Date	23/12/2020
		Page	8 of 10

Contaminated packaging must be sent for recovery or disposal in accordance with the national waste management rules. Care should be taken when handling empty containers that have not been cleaned or rinsed.

SECTION 14. Transport information.

14.1 UN Number:

ADR-UN Number: 3082
IATA-UN Number: 3082
IMDG-UN Number: 3082

14.2 UN proper shipping name:

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(reaction product: bisphenol-a-epichlorohydrin; epoxy resins (average molecular weight <= 700))
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(reaction product: bisphenol-a-epichlorohydrin; epoxy resins (average molecular weight <= 700))
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(reaction product: bisphenol-a-epichlorohydrin; epoxy resins (average molecular weight <= 700))

14.3 Transport hazard class(es):

ADR-Class: 9
ADR-Higher number: 90
IATA-Class: 9
IATA-Label: Miscellaneous
IMDG-Class: 9
IMDG-Class: 9

14.4 Packing group:

ADR-Packing Group: III.
IATA-Packing group: III.
IMDG-Packing group: III.

14.5 Environmental hazards

IMDG-Marine pollutant: No

14.6 Special precautions for users

IATA-Passenger Aircraft: 914
IATA-Cargo Aircraft: 914
IATA-Sp. Provisions: A97
IATA-ERG: 9L
IMDG-EMS: F,A - F-A , S-F
IMDG-Storage category: A

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

Environmental pollutant:
No

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.

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A	
		Revision	1	
	IPER VETRO COMPONENTE A		Revision Date	23/12/2020
			Page	9 of 10

SECTION 16. Other information.

Text of the sentences used in paragraph 3:

- H315 Causes skin irritation.
- 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.

KEY.

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.

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.

GENERAL BIBLIOGRAPHY

Italian Legislative Decree no. 81 of 09/04/2008 Ministerial Decree of Labour 26/02/2004 (Occupational exposure limits)

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

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

Regulation (EC) no. 790/2009 (ATP 1 CLP) and (EU) No 758/2013

Regulation (EU) 2015/830 Regulation (EU) No 286/2011 (ATP 2 CLP)

Regulation (EU) no. 618/2012 (ATP 3 CLP)

Regulation (EU) no. 487/2013 (ATP 4 CLP)

Regulation (EU) no. 944/2013 (ATP 5 CLP)

Regulation (EU) no. 605/2014 (ATP 6 CLP)

Regulation (EU) no. 2015/1221 (ATP 7 CLP)

Regulation (EU) no. 2016/918 (ATP 8 CLP)

Regulation (EU) no. 2016/1179 (ATP 9 CLP)

Regulation (EU) no. 2017/776 (ATP 10 CLP)

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1029A
		Revision	1
	IPER VETRO COMPONENTE A	Revision Date	23/12/2020
		Page	10 of 10

Regulation (EU) no. 2018/699 (ATP 11 CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Toxicological sheets
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of chemical SDS models - Ministry of Health and Higher Institute of Health

Note to the user:

The information contained in this datasheet is based on the knowledge available to us on the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document must not be construed as warranting any specific property of the product.

As use of the product does not fall under our direct control, it is the user's responsibility to comply with the laws and regulations in force regarding hygiene and safety. No responsibility is assumed for improper use.

Provide adequate training to personnel involved in the use of chemicals.