

GIORGIO GRAESAN AND FRIENDS	Safety Data sheet	Code	SDS2070
		Revision	0
	MORBIDO TOCCO BASE	Revision Date	03/10/2022
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SECTION 1. Identification of the substance or mixture and of the company/enterprise

1.1. Product identifier

Code: **2070**
Description: **MORBIDO TOCCO BASE**

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

Relevant uses: Relevant uses: Paints and varnishes. For professional use only
Uses advised against: Any use not specified in this section or in section 7.3

1.3. Safety data sheet 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**

email address of the competent person responsible for the safety data sheet: **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)

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations).

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

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

Warning: --

Hazard pictograms: --

Hazard indications:

EUH210: Safety datasheet available on request.

EUH208: Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May cause an allergic reaction.

EUH211: Warning. Dangerous respirable droplets may form in the event of vaporisation. Do not breathe vapours or sprays.

Precautionary statements: --

Special provisions based on Annex XVII of REACH and subsequent adaptations: --

Safety data sheet 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

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3.2 Mixtures

Chemical description: mixture of acrylic binders, aggregate fillers and special additives.

Components

Identification	Chemical name	Classification (EC REGULATION NO. 1272/2008)	Conc. [%]
CAS no: 55965-84-9 CE: 611-341-5 Index: not applicable Reach: not applicable	Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) ¹	3.2/1B Skin Corr. 1B H314 3.4.2/1A Skin Sens. 1A H317 4.1/A1 Aquatic Acute 1 H400 M=100. 4.1/C1 Aquatic Chronic 1 H410 M=10. 3.1/3/Oral Acute Tox. 3 H301 3.1/3/Dermal Acute Tox. 3 H311 3.1/1/Inhal Acute Tox. 1 H330	0<x<0.0015%

¹ Substance presenting a health or environmental hazard that meets the criteria in Regulation (EU) No. 2020/878 for this section

For more hazard information concerning the substances, see sections 11, 12 and 16.

Other information

Identification	M-factor
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS No: 55965-84-9 EC: Not applicable	Acute 100 Chronic 100
Identification	Specific concentration limit
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not applicable	% (w/w) >=0.6: Skin Corr. 1C - H314 0.06<= % (w/w) <0.6: Skin Irrit. 2 - H315 % (w/w) >=0.6: Eye Dam. 1 - H318 0.06<= % (w/w) <0.6: Eye Irrit. 2 - H319 % (w/w) >=0.0015: Skin Sens. 1A - H317

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: this product is not classified as dangerous when inhaled. However, in the event of symptoms of intoxication, it is advisable to move the patient to the open air and keep them warm and at rest. If the symptoms persist, seek medical attention.

For skin contact: this product is not classified as dangerous when it comes into contact with the skin. However, in the event of symptoms, it is advisable to wash the skin thoroughly with soap and water. If the symptoms persist, seek medical attention.
wash thoroughly with soap and water.

For eye contact: wash immediately and with plenty of water and seek medical advice.

For ingestion/aspiration: do not induce vomiting; if vomiting occurs naturally keep head tilted forward to avoid aspiration. Keep the patient at rest. Rinse mouth and throat, as they may have been injured by ingestion. Never induce vomiting. If the symptoms persist, seek medical attention.

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: none

SECTION 5. Fire-fighting measures.

5.1. Extinguishing media.

Non-flammable product under normal conditions of storage, handling and use. In case of fire following handling, storage or improper use:

SUITABLE EXTINGUISHING MEDIA: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA: none in particular.

5.2. Special hazards arising from the substance or mixture.

As a result of combustion or thermal decomposition, reaction by-products are generated which may be highly toxic and, therefore, may pose an elevated health risk.

5.3. Recommendations for fire extinguishers.

GENERAL INFORMATION

Cool containers with water jets to prevent decomposition of the product and the development of substances that are potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water that must not be discharged into the sewers. Dispose of contaminated water used for extinguishing and fire residue according to current regulations.

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

EQUIPMENT: Normal fire-fighting clothing, such as an open-circuit compressed air breathing apparatus (EN 137), flame retardant overalls (EN469), flame retardant gloves (EN 659) and fire boots (HO A29 or A30).

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SECTION 6. Accidental release measures.

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

Wear personal protective equipment.

Move people to a safe place.

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

6.2. Environmental precautions.

Prevent the product from entering sewers, surface water, groundwater. 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.

Contain with earth or non-sparking inert material. Collect most of the material with recovery containers and proceed with disposal. Discard the residue with water jets if there are no contraindications. Provide sufficient ventilation of the site affected by the leak. Check for incompatibilities with the container material in Section 7. The disposal of contaminated material must be carried out in accordance with the provisions of section 13.

6.4. Reference to other sections.

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

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Comply with the existing legislation on the prevention of risks at work.

Handle the product after consulting all other sections of this safety datasheet. Keep containers tightly closed and avoid dispersion of the product into the environment. Maintain order and cleanliness where dangerous products are handled.

Due to its flammability characteristics, the product does not present a risk of fire under normal conditions of storage, handling and use.

Do not eat, drink or smoke during handling and take care to wash with suitable products.

Absorbent material is recommended near the product.

7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Store containers away from any incompatible materials, checking section 10.

Keep the containers sealed in suitable environments at a temperature between +5°C and +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: not applicable

PNEC exposure limit values: not applicable

8.2. Exposure controls



A.- Personal protection measures, such as personal protective equipment

As a preventive measure it is recommended to use basic Personal Protective Equipment with the corresponding "CE marking". For more information on Personal Protective Equipment (storage, use, protection class, etc.) consult the information leaflet provided by the manufacturer of the PPE. The information in this section refers to the pure product. The protection measures for the diluted product may vary depending on the level of dilution, use, method of application, etc. To determine the obligation for the installation of emergency showers and/or eyewash stations in warehouses, legislation concerning storage of the chemical products applicable to each case shall be considered. For more information see sections 7.1 and 7.2.

B.- Respiratory protection.

The use of protective equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.



C.- Specific hand protection.

Pictogram	PPE	Marked	ECN standards	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace gloves at first sign of deterioration. For periods of prolonged exposure to the product by professional/industrial users, it is advisable to use CE III gloves in accordance with Standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018.



As the product is a mixture of several substances, the resistance of the glove material cannot be predicted in advance with total reliability and therefore must be checked prior to application.

D.- Eye and face protection



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Pictogram	PPE	Marked	ECN standards	Remarks
 Mandatory face protection	Full-vision safety goggles to protect against splashes and/or projections		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically in accordance with the manufacturer's instructions. Use if there is a splashing hazard.

E.- Body protection

Pictogram	PPE	Marked	ECN standards	Remarks
	Work clothing			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: 2013, EN ISO 6530: 2005, EN ISO 13688: 2013, EN 464: 1994
	Non-slip work shoes		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 Standards EN ISO 20345:2012 and EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls.

Emissions from production processes, including those from ventilation equipment, should be controlled to ensure compliance with the environmental protection legislation. It is advisable to avoid releasing the product and its containers into the environment.

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Appearance:	liquid
Colour:	white
Odour:	Not available
Odour threshold:	Not applicable
pH:	8 ± 0.5
Melting/freezing point:	Not applicable
Boiling point/boiling range:	101 °C
Solid/gas flammability:	Not applicable
Upper/lower flammability or explosion limit:	Not applicable
Vapour density:	Not applicable
Flash point:	Not flammable
Evaporation rate:	Not applicable
Vapour pressure:	Not applicable
Relative density:	1.53 kg/litre
Liposolubility:	Not applicable
Partition coefficient: (n-octanol/water):	Not applicable
Autoignition temperature:	370 °C
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

9.2. Other information

Dry residue:	55%
VOC (Directive 2004/42/EC):	4.8 g/litre
VOC (volatile carbon):	Not applicable
Miscibility:	Not applicable
Liposolubility:	Not applicable
Conductivity:	Not applicable
Characteristic properties of groups of substances:	Not applicable

SECTION 10. Stability and reactivity.

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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.

No dangerous reaction expected due to temperature and/or pressure variation.

10.4. Conditions to avoid.

Applicable for handling and storage at room temperature:

Shocks and friction	Contact with air	Heating	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct exposure	Not applicable	Avoid strong alkalis or bases

10.6. Hazardous decomposition products.

None of them.

SECTION 11. Toxicological information.

No experimental data is available for the product as such regarding the toxicological properties

11.1 Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous by ingestion. For more information see section 3.
- Corrosivity/Irritability: Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous for this effect. For more information, see section 3.

B- Inhalation (acute effect):

- Acute toxicity: Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous by inhalation. For more information see section 3.
- Corrosivity/Irritability: In the event of prolonged inhalation, the product is harmful to mucous membrane tissue and to the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous by contact with the skin. For more information see section 3.
- Contact with the eyes: Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous for this effect. For more information, see section 3.

D- Germ cell mutagenicity, carcinogenicity, toxicity to reproduction:

- Carcinogenicity: Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for the effects described. For more information see section 3.
IARC: Titanium dioxide (2B); Talc (3)
- Mutagenic effects: Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for this effect. For more information, see section 3.
- Toxicity to reproduction: Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for this effect. For more information, see section 3.

E- Respiratory or cutaneous sensitisation:

- Respiratory: Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for sensitising effects. For more information see section 3.
- Cutaneous: Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous with sensitisation effects. For more information see section 3.

F- Specific target organ toxicity (STOT)-single exposure:

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Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for this effect. For more information, see section 3.

G- Specific target organ toxicity (STOT) - repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for this effect. For more information, see section 3.
- Skin: Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for this effect. For more information, see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria have not been met, since it does not contain substances classified as hazardous for this effect. For more information, see section 3.

Other information:

Not applicable

Specific toxicological information of substances:

Identification	Acute toxicity		Genre
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-CAS No: 55965-84-9 EC: Not applicable	LD50 oral	64 mg/kg	Rat
	DL50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation	0.33 mg/L (4 h)	Rat

11.2 information on other hazards:

Endocrine-disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

Other information

Not applicable

SECTION 12. Ecological information.

12.1 Toxicity

Use according to good working practices without releasing the product to the environment. Never release the product in the soil, sewers or waterways. Notify the competent authorities if the product reaches watercourses or sewers, or if it contaminates soil or vegetation. Take measures to minimise the effects on the groundwater.

Not classified for environmental hazards.

No data available for the product.

Acute toxicity

Identification	Concentration		Species	Genre
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS No: 55965-84-9 EC: Not applicable	CL50	>0.1 - 1 (96 h)		Fish
	EC50	>0.1 - 1 (48 h)		Crustacean
	EC50	>0.1 - 1 (72 h)		Alga

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

The product does not meet the PBT/vPvB criteria

12.6 Other adverse effects:

Not described

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.

Code	Descriptions	Type of residue (Regulation (EU) no. 1357/2014)
08 01 12	waste paints and varnishes, other than those indicated in 08 01 11	Not hazardous

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Waste management (disposal and evaluation):

Consult the authorised waste service manager on the evaluations and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, Italian Legislative Decree 205/2010). As under 15 01 (2014/955/EU) of the code, in the event the container has been in direct contact with the product, it will be processed in the same way as the product itself. Otherwise it will be processed as non-hazardous waste. Discharge into drains or watercourses is not recommended. See section 6.2.

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.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No. 1907/2006 (REACH), EU or national regulations concerning waste management are collected.

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) no. 1357/2014

National legislation: Italian Legislative Decree 25/2010

SECTION 14. Transport information.

The product should not be considered dangerous under the provisions in force concerning the transportation of dangerous goods by road (A.D.R.), rail (RID), sea (IMDG Code) and air (IATA).

14.1 UN Number

Unregulated

14.2 UN proper shipping name

Unregulated

14.3 Transport hazard classes

Unregulated

14.4 Packing group

Unregulated

14.5 Environmental hazards

Unregulated

14.6 Special precautions for users

None in particular.

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

Unregulated

SECTION 15. Regulatory information.

15.1. Specific health, safety and environmental laws and regulations for the substance or mixture.

Regulation (EC) No. 528/2012: contains a preservative to protect the original properties of the treated product. Contains bronopol (DCI), bronopol (DCI), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

Candidate substances for authorisation pursuant to Regulation (EC) No. 1907/2006 (REACH): Not applicable

Substances included in Annex XIV of REACH (authorisation list) and sunset date: Not applicable

Regulation (EC) 1005/2009, on substances that deplete the ozone layer: Not applicable

Article 95, REGULATION (EU) no. 528/2012: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Product type 2, 4, 6, 11, 12, 13)

REGULATION (EU) No 649/2012 on the import and export of hazardous chemicals: Not applicable

Seveso III:

Not applicable

Restrictions on the marketing and use of certain hazardous substances and mixtures (Annex XVII REACH, etc.):

Occupational exposure to respirable crystalline silica must be controlled in accordance with Directive (EU) 2019/130.

Specific provisions on the protection of persons or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk assessment of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

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Italian Legislative Decree 205/2010: Implementing provisions of Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 relating to waste and repealing certain directives.
 Italian Legislative Decree 85/2016: Regulation laying down rules for the implementation of Directive 2014/34/EU on the harmonisation of the laws of the Member States concerning equipment and protective systems intended for use in a potentially explosive atmosphere.
 Italian Legislative Decree 233/2003: Implementation of Directive 1999/92/EC on minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres.
 Italian Legislative Decree 186/2011: Penalty rules for violation of the provisions of Regulation (EC) no. 1272/2008.
 Leg. Decree 161/2006: Implementation of Directive 2004/42/EC, on the limitation of emissions of volatile organic compounds due to the use of solvents in certain paints and varnishes and in vehicle refinishing products.
 Leg. Decree 152/2006: Environmental standards.
 Royal Decree 147/1927, last update 06/12/2021. Approval of the special regulation for the use of toxic gases.
 O.J. 14 March 2016 no. 61 - Italian Leg. Decree 15 February 2016, no. 39
 Consolidated text on health and safety at work - Rev. 2022

15.2 Chemical safety assessment:

The supplier has not carried out the chemical safety assessment.

SECTION 16. Other information.

Legislation applicable to safety data sheets:

This safety data sheet has been developed in accordance with Annex II-Guide for the preparation of Safety Data Sheets of Regulation (EC) No. 1907/2006 (COMMISSION REGULATION (EU) 2020/878)

Changes to the previous safety data sheet regarding risk management measures:

Not applicable

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components that appear in section 3

Regulation No. 1272/2008 (CLP):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.
 Acute Tox. 3: H301 - Toxic if ingested.
 Aquatic Acute 1: H400 - Highly toxic to aquatic organisms.
 Aquatic Chronic 1: H410 - Highly toxic to aquatic organisms with long-lasting effects.
 Eye Dam. 1: H318 - Causes severe eye damage.
 Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
 Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not applicable

Training tips:

Minimum training of occupational risk prevention is recommended for personnel handling this product in order to facilitate the understanding and interpretation of this safety data sheet as well as for product labelling.

Main sources of literature:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
 IMDG: International Maritime Dangerous Goods Code
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organisation
 COD: Chemical Oxygen Demand
 BOD5: Biological Oxygen Demand after 5 days
 BCF: bioconcentration factor
 LD50: lethal dose 50
 LC50: lethal concentration 50
 EC50: effective concentration 50
 Log POW: octanol-water partition coefficient logarithm
 Koc: organic carbon partition coefficient
 UFI: unique formula identifier
 IARC: International Agency for Research on Cancer

This datasheet cancels and replaces any previous edition.

Note to the user:

The information contained in this sheet is based on the knowledge available to us at 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.