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

1.1. Product identifier

Code: **1040**
Description: **SIGILLANTE**

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

Relevant uses: **SIGILLANTE**

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**

the e-mail address of the competent person responsible for the safety data sheet 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.

It should be noted that due to the inclusion of the active substance in a matrix, inhalation hazards via the respiratory tract may be considered to be nullified (this criterion prevails throughout the processing of the SDS)

Classification according to EC Regulation No. 1272/2008 (CLP/GHS)

Eye Irrit. 2: Eye irritation, Category 2, H319

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

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

Warnings: **CAUTION**

Hazard pictograms:



Hazard indications:

H319 - Causes severe eye irritation

Precautionary statements:

P101: Keep the container or the label of the product in the event of medical advice being required

P102: Keep out of reach of children

P264: Wash thoroughly after use

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338: IN THE EVENT OF CONTACT WITH EYES: rinse thoroughly for several minutes. Remove contact lenses, if present and easy to do. Continue to rinse

P337+P313: If eye irritation persists, seek medical advice

P501: Dispose of the product/container in accordance with current waste treatment legislation

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Additional information:

EUH208: Contains N-[3-(Trimethoxysilyl)propyl]ethylenediamine May cause an allergic reaction

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

3.2 Mixtures

Mixture based on polymers, dispersants and organic components

Components

| Identification | Chemical name/Classification | | Conc. |
|--|--|---|--------------|
| CAS No: 07/02/2768 EC: 220-449-8 Index: Not applicable REAC: 01-2119513215-52- H: XXXX | Trimethoxyvinylsilane⁽¹⁾ Self-classified | Regulation 1272/2008 Acute Tox. 4: H332; Flam. Liq. 3: H226 - Caution  | 1 - <2.5% |
| CAS No: 13822-56-5 EC: 237-511-5 Index: Not applicable REAC: 01-2119510159-45- H: XXXX | 3- (Trimethoxysilyl) propylamine⁽¹⁾ Self-classified | Regulation 1272/2008 Eye Dam. 1: H318; Skin Irrit. 2: H315 - Hazard  | 1 - <2.5% |
| CAS No: 1760-24-3 EC: 217-164-6 Index: Not applicable REAC: Not applicable H: Not applicable | N-[3-(trimethoxysilyl)propyl]ethylenediamine⁽¹⁾ Self-classified | Regulation 1272/2008 Acute Tox. 4: H332; Eye Dam. 1: H318; Skin Sens. 1: H317 - Hazard  | 0.1 - <1% |
| CAS No: 67-56-1 EC: 200-659-6 Index: 603-001-00-X REAC: 01-2119433307-44- H: XXXX | Methanol⁽²⁾ CLP00 | Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Hazard  | 0.01 - <0.1% |

(1) Substance presenting a health or environmental hazard that meets the criteria in Regulation (EU) No. 2015/830 for this section

(2) Substance with a workplace exposure limit set at Union level

For further information regarding the hazards of substances, see sections 8, 11, 12, 15 and 16.

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:

The probability of inhalation is practically zero. In the event of symptoms: this product is not classified as hazardous by inhalation, however, in the event of symptoms of intoxication occurring it is recommended that the affected person be removed from the place of exposure and transferred to a location containing fresh air and allowed to rest. If symptoms persist, seek medical attention.

For skin contact:

This product is not classified as hazardous when in contact with the skin. It is, however, recommended that in the event of contact with skin,

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any contaminated clothes or shoes be removed, the skin rinsed or the affected person showered with large quantities of water and mild soap. If conditions prove to be severe, seek medical attention.

For eye contact:

Rinse eyes with plenty of water at room temperature for at least 15 minutes. Prevent the patient from rubbing or closing their eyes. If the individual is wearing contact lenses, they should be removed provided that they are not stuck to the eyes, which may cause further injury. In all cases, after washing, you should contact a doctor as quickly as possible, showing the product safety data sheet.

For ingestion/aspiration:

Do not induce vomiting. If vomiting occurs naturally, keep the head tilted forward to prevent inhalation. Keep the patient at rest. Rinse mouth and throat, as they may have been injured by ingestion.

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

Acute or delayed effects are provided in sections 2 and 11.

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

Treatment: none

SECTION 5. Fire-fighting measures.

5.1. Extinguishing media.

Product is non-flammable under normal conditions of storage, handling and use, despite containing combustible substances. In the event of fire, use multi-purpose powder extinguishers (ABC powder), in compliance with Fire protection installation Regulations. The use of water jets as an extinguishing agent is NOT recommended.

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-fighter personnel

Depending on the severity of the fire, full protective clothing and self-contained breathing equipment may be required. Provide a minimum level of emergency equipment or intervention items (fire blankets, first aid kit, ...) in compliance with Directive 89/654/EC.

Additional provisions

Act in accordance with the Internal Emergency Plan and the Accident and Emergency Response Information Sheets. Eliminate all sources of ignition. In the event of fire, cool containers and storage tanks for products that may ignite, explode or trigger a BLEVE explosion as a result of high temperatures. Avoid spilling fire extinguishing agents into water.

SECTION 6. Accidental release measures.

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

Isolate any leaks or spillage provided they do not entail an additional risk for those performing this operation. Evacuate the area and keep unprotected persons at a distance. In the event of potential contact with the spilled product, the use of personal protective equipment is mandatory (see section 8). Avoid the formation of flammable vapour-air mixtures as a matter of priority, such as through ventilation or the use of an inerting agent. Eliminate all sources of ignition. Eliminate electrostatic charges by interconnecting all conductive surfaces on which static electricity can occur and, in turn, with the unit connected to earth.

6.2. Environmental precautions.

Product not classified as hazardous for the environment. Keep away from drains, surface waters and groundwater.

6.3. Methods and materials for containment and cleansing.

Absorb spillage with sand or inert absorbent material and move to a safe location. Do not absorb with sawdust or other flammable absorbent material. Refer to section 13 for any observations regarding elimination.

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.

A.- Precautions for safe handling

Comply with the existing legislation on the prevention of risks at work. Keep the containers hermetically sealed. Control spills and residue, destroying them using safe methods (section 6). Avoid leakages from the containers. Maintain order and cleanliness where dangerous products are handled.

B.- Technical recommendations for the prevention of fires and explosions.

Avoid evaporation of the product as it contains flammable substances which may form flammable vapour-air mixtures in the presence of sources

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of ignition. Check for sources of ignition (mobile phones, sparks, ...) and decant slowly to prevent generation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations for the prevention of ergonomic and toxicological hazards.

Avoid eating or drinking while handling and then take care to wash using suitable cleaning products.

D.- Technical recommendations for the prevention of environmental hazards

It is recommended that absorbent material be provided in the vicinity of the product (see section 6.3)

7.2. Conditions for safe storage, including any incompatibilities.

A.- Technical measures for storage. Store in a cool, dry ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity or contact with food. For more information see section 10.5

7.3. Particular end uses.

Not available

SECTION 8. Exposure control/personal protection.

8.1. Control parameters

Substances for which occupational exposure limit values must be monitored in the workplace (D. Lgs. 81/2008 and subsequent amendments and supplements):

| Identification | Environmental exposure limits | | |
|---|-------------------------------|---------|-----------------------|
| | EL (8 hours) | 200 ppm | 260 mg/m ³ |
| Methanol CAS: 67-56-1 EC: 200-659-6 | EL (Short Term) | | |
| | Year | 2018 | |

DNEL (Workers):

| Identification | | Short-term exposure | | Long-term exposure | |
|---|------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| Trimethoxyvinylsilane CAS: 07/02/2768 EC: 220-449-8 | Oral | Not applicable | Not applicable | Not applicable | Not applicable |
| | Dermal | Not applicable | Not applicable | 0.69 mg/kg | Not applicable |
| | Inhalation | Not applicable | Not applicable | 4.9 mg/m ³ | Not applicable |
| 3- (Trimethoxysilyl) propylamine CAS No: 13822-56-5 EC: 237-511-5 | Oral | Not applicable | Not applicable | Not applicable | Not applicable |
| | Dermal | Not applicable | Not applicable | 8.3 mg/kg | Not applicable |
| | Inhalation | Not applicable | Not applicable | 58 mg/m ³ | Not applicable |
| Methanol CAS: 67-56-1 EC: 200-659-6 | Oral | Not applicable | Not applicable | Not applicable | Not applicable |
| | Dermal | 40 mg/kg | Not applicable | 40 mg/kg | Not applicable |
| | Inhalation | 260 mg/m ³ | 260 mg/m ³ | 260 mg/m ³ | 260 mg/m ³ |

DNEL (General population):

| Identification | | Short-term exposure | | Long-term exposure | |
|---|------------|------------------------|----------------------|------------------------|----------------------|
| | | Systemic | Local | Systemic | Local |
| Trimethoxyvinylsilane CAS: 07/02/2768 EC: 220-449-8 | Oral | Not applicable | Not applicable | 0.3 mg/kg | Not applicable |
| | Dermal | 26.9 mg/kg | Not applicable | 0.3 mg/kg | Not applicable |
| | Inhalation | 93.4 mg/m ³ | Not applicable | 1.04 mg/m ³ | Not applicable |
| 3- (Trimethoxysilyl) propylamine CAS No: 13822-56-5 EC: 237-511-5 | Oral | Not applicable | Not applicable | 5 mg/kg | Not applicable |
| | Dermal | Not applicable | Not applicable | 5 mg/kg | Not applicable |
| | Inhalation | Not applicable | Not applicable | 17 mg/m ³ | Not applicable |
| Methanol CAS: 67-56-1 EC: 200-659-6 | Oral | 8 mg/kg | Not applicable | 8 mg/kg | Not applicable |
| | Dermal | 8 mg/kg | Not applicable | 8 mg/kg | Not applicable |
| | Inhalation | 50 mg/m ³ | 50 mg/m ³ | 50 mg/m ³ | 50 mg/m ³ |

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PNEC:

| Identification | | | | |
|---|--------------|----------------|------------------------|----------------|
| Trimethoxyvinylsilane CAS: 07/02/2768 EC: 220-449-8 | STP | 110 mg/L | Fresh water | 0.34 mg/L |
| | Soil | 0.052 mg/kg | Sea water | 0.034 mg/L |
| | Intermittent | 3.4 mg/L | Sediment (fresh water) | 1.24 mg/kg |
| | Oral | Not applicable | Sediment (seawater) | 0.12 mg/kg |
| 3- (Trimethoxysilyl) propylamine CAS No: 13822-56-5 EC: 237-511-5 | STP | 13 mg/L | Fresh water | 0.33 mg/L |
| | Soil | 0.045 mg/kg | Sea water | 0.033 mg/L |
| | Intermittent | 3.3 mg/L | Sediment (fresh water) | 1.2 mg/kg |
| | Oral | 44.4 g/kg | Sediment (seawater) | 0.12 mg/kg |
| Methanol CAS: 67-56-1 EC: 200-659-6 | STP | 100 mg/L | Fresh water | 154 mg/L |
| | Soil | 23.5 mg/kg | Sea water | 15.4 mg/L |
| | Intermittent | 1540 mg/L | Sediment (fresh water) | 570.4 mg/kg |
| | Oral | Not applicable | Sediment (seawater) | Not applicable |

8.2 Exposure controls:

A.- General safety and hygiene measures in the workplace.

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.- Protection of the respiratory tract.

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

C.- Specific protection for hands

| 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, the use of CE III gloves is recommended in accordance with EN 420 and EN 374. |

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.- Protection for eyes and face

| 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 in accordance with the manufacturer's instructions. Use if there is a splashing hazard. |

E.- Protection for the body

| 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: 2001, 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 EN ISO 20345 and EN 13832-1 |

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F.- Complementary emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|--------------------------------|---|-------------------------------|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2002 |  Eyewash | DIN 12 899 ISO 3864-1:2002 |

Environmental exposure controls:

By virtue of Community legislation on environmental protection, it is recommended that the release of the product and its containers into the environment be avoided. For further information see section 7.1.D

Volatile organic compounds: In accordance with Directive 2010/75/EU, this product has the following specifications

regarding VOCs (Delivery): 3.16 % by weight

Density of VOCs at 20 °C: 59.59 kg/m³ (59.59 g/L)

Average number of carbon atoms: 5.34

Average molecular weight: 158.94 g/mol

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

| | |
|--|---------------------------|
| Appearance: | Pasty |
| Colour: | transparent - crystalline |
| Odour: | characteristic |
| Odour threshold: | not available |
| pH: | not applicable |
| Melting/freezing point: | Not applicable |
| Boiling point/boiling range: | 145°C |
| Solid/gas flammability: | Not applicable |
| Upper/lower flammability or explosion limit: | Not applicable |
| Vapour density: | Not applicable |
| Flash point: | non-flammable >60°C |
| Evaporation rate: | Not applicable |
| Vapour pressure: | Not applicable |
| Relative density: | 1.887 kg/litre |
| Liposolubility: | Not applicable |
| Partition coefficient: (n-octanol/water): | Not applicable |
| Autoignition temperature: | 235°C |
| Decomposition temperature: | Not applicable |
| Kinematic viscosity: | >20.5 cSt |
| Explosive properties: | Not applicable |
| Oxidising properties: | Not applicable |

9.2. Other information

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.

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

10.4. Conditions to avoid.

| Shocks and friction | Contact with air | Heating | Sunlight | Humidity |
|---------------------|------------------|------------|------------|----------------|
| Not applicable | Not applicable | Precaution | Precaution | Not applicable |

10.5. Incompatible materials.

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid strong alkalis or |

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| | | | | | bases |
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10.6. Hazardous decomposition products.

See headings 10.3, 10.4 and 10.5 for specific information on decomposition products. Depending on decomposition conditions, complex mixtures of chemicals, carbon dioxide (CO₂), carbon monoxide and other organic compounds may be released as a result of the decomposition.

SECTION 11. Toxicological information.

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

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):

It should be noted that due to the inclusion of the active substance in a matrix, inhalation hazards via the respiratory tract may considered to be nullified (this criterion prevails throughout the processing of the SDS).

- 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: 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.

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: Causes eye injury by contact.

D- Germ cell mutagenicity, carcinogenicity, reproductive toxicity:

- 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.
- 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.
- Reproductive toxicity: 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/dermal sensitisation:

- Respiratory tract: 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.
- Dermal: 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:

Based on the available data, the classification criteria have not been met, however, it does contain substances classified as hazardous following a single exposure. For further 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 further 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:

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| Identification | Acute toxicity | | Genre |
|---|-----------------|----------------------|--------|
| Trimethoxyvinylsilane CAS: 07/02/2768 EC: 220-449-8 | DL50 oral | 7236 mg/kg | Rat |
| | DL50 dermal | 3880 mg/kg (ATEi) | Rabbit |
| | LC50 inhalation | 11 mg/L (4 h) (ATEi) | |
| 3- (Trimethoxysilyl) propylamine CAS No: 13822-56-5 EC: 237-511-5 | DL50 oral | 2970 mg/kg | Rat |
| | DL50 dermal | 11300 mg/kg | Rat |
| | LC50 inhalation | >20 mg/L (4 h) | |
| N-[3-(trimethoxysilyl)propyl]ethylenediamine CAS: 1760-24-3 EC: 217-164-6 | DL50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | Not applicable | |
| Methanol CAS: 67-56-1 EC: 200-659-6 | DL50 oral | 100 mg/kg | Rat |
| | DL50 dermal | 300 mg/kg | Rabbit |
| | LC50 inhalation | 3 mg/L (4 h) | Rat |

Toxicity assessment

| ATE mixture | | Components of unknown toxicity |
|-------------|--|--------------------------------|
| Oral | >2000 mg/kg (Calculation method) | Not applicable |
| Dermal | >2000 mg/kg (Calculation method) | Not applicable |
| Inhalation | 546.99 mg/L (4 h) (Calculation method) | 0% |

SECTION 12. Ecological information.

There is no available data concerning the mixture.

12.1 Toxicity:

| Identification | Acute toxicity | | Species | Genre |
|---|----------------|-------------------|------------------------|------------|
| 3- (Trimethoxysilyl) propylamine CAS No: 13822-56-5 EC: 237-511-5 | CL50 | 1264 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 331 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | Not applicable | | |
| Methanol CAS: 67-56-1 EC: 200-659-6 | CL50 | 15400 mg/L (96 h) | Lepomis macrochirus | Fish |
| | EC50 | 12000 mg/L (96 h) | Nitrocras spinipes | Crustacean |
| | EC50 | 530 mg/L (168 h) | Microcystis aeruginosa | Alga |

12.2 Persistence and degradability:

| Identification | Degradability | | Biodegradability | |
|---|---------------|----------------|------------------|----------------|
| Trimethoxyvinylsilane CAS: 07/02/2768 EC: 220-449-8 | BOD5 | Not applicable | Concentration | 104 mg/L |
| | COD | Not applicable | Period of time | 28 days |
| | BOD5/COD | Not applicable | % biodegradable | 51% |
| 3- (Trimethoxysilyl) propylamine CAS No: 13822-56-5 EC: 237-511-5 | BOD5 | Not applicable | Concentration | Not applicable |
| | COD | Not applicable | Period of time | 28 days |
| | BOD5/COD | Not applicable | % biodegradable | 67% |
| Methanol CAS: 67-56-1 EC: 200-659-6 | BOD5 | Not applicable | Concentration | 100 mg/L |
| | COD | 1.42 g O2/g | Period of time | 14 days |
| | BOD5/COD | Not applicable | % biodegradable | 92% |

Bioaccumulative potential:

| Identification | Bioaccumulative potential | |
|---|---------------------------|-------|
| Methanol CAS: 67-56-1 EC: 200-659-6 | BCF | 3 |
| | Log POW | -0.77 |
| | Potential | Low |

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12.4 Mobility in soil

| Identification | Adsorption/desorption | | Volatility | |
|----------------|-----------------------|----------------------|------------|----------------|
| Methanol | Koc | Not applicable | Henry | Not applicable |
| CAS: 67-56-1 | Conclusion | Not applicable | Dry soil | Not applicable |
| EC: 200-659-6 | Surface tension | 2.355E-2 N/m (25 °C) | Moist soil | Not applicable |

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.

| Code | Descriptions | Type of residue (Regulation (EU) No. 1357/2014) |
|----------|---|---|
| 08 04 10 | waste adhesives and sealants other than those mentioned in 08 04 09 | Not hazardous |

Type of residue (Regulation (EU) No. 1357/2014):

Not applicable

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 residue. Discharge into drains or watercourses is not recommended. See section 6.2.

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

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SECTION 15. Regulatory information.

15.1 Substance-specific health, safety and environmental legislation and regulations

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: Not applicable

REGULATION (EU) No 649/2012 on the import and export of hazardous chemicals: Not applicable. **Restrictions on the marketing and usage of certain hazardous substances and mixtures (Annex XVII REACH, etc...):** Not applicable

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:

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 126/1998: Regulation including rules for the implementation of Directive 94/9/EC on equipment and protective systems intended for use in potentially explosive atmospheres.

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

O.J. 14 March 2016 no. 61 - Italian Leg. Decree 15 February 2016, no. 39

Consolidated text on health and safety at work - Rev. June 2016

15.2. Chemical safety assessment.

No chemical safety assessment has been prepared for the mixture or for the substances contained therein.

SECTION 16. Other information.

Legislation applicable to safety data sheets:

This safety data sheet has been drawn up in accordance with Annex II-Guide for the development of Safety Data sheets of Regulation (EC) No. 1907/2006 (Regulation (EU) No. 2015/830

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

Not applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes severe eye irritation

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. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled Acute Tox. 4:

H332 - Harmful if inhaled

Eye Dam. 1: H318 - Causes severe eye injury

Flam. Liq. 2: H225 - Highly flammable liquids and vapours Flam. Liq. 3:

H226 - Flammable liquids and vapours

Skin Irrit. 2: H315 - Causes dermal irritation

Skin Sens. 1: H317 - May cause allergic skin reaction STOT SE 1: H370 - Causes damage to organs

Classification procedure: Eye Irrit. 2: Method

of calculation **Training recommendations:**

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.

Principal bibliographical sources:

<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

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- COD: Chemical Oxygen Demand
- BOD5: Biological Oxygen Demand after 5 days
- BCF: bioconcentration Factor
- DL50: Lethal Dose 50
- CL50: Lethal Concentration 50
- EC50: Effective Concentration 50
- Log POW: logarithm of octanol-water partition coefficient
- Koc: organic carbon-water partition coefficient

This safety data sheet has been drawn up in accordance with Annex II-Guide for the development of Safety Data Sheets of Regulation (EC) No. 1907/2006 (Regulation (EU) No. 2015/830).

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.