

1 Identification of the substance / mixture and of the company / enterprise

1.1 Product identifier
 Product Code: ART. 2006
 Trade Name: FILI DI SETA

1.2 Relevant identified uses of the substance or mixture and uses advised against
 Description/Usage: DECORATIVE FINISHING

1.3 Details of the supplier of the safety data sheet
 Supplier: Giorgio Graesan & Friends s.a.s. Di Shila Graesan
 Address: Via Bergamo n. 24
 Place and country: 20037 - Paderno Dugnano MI (IT)
 Phone: + 39 02 99039560
 Fax: + 39 02 99039590
 Email of the person responsible: tecnico@giorgiograesan.it

1.4 Emergency telephone number
 For urgent inquiries refer to + 39 02 99039541
 monday to friday 8.30-12.30 / 14.00-18.00

2 Hazards identification

2.1 Classification of the substance or mixture
 The product is not classified as hazardous as per Directive (EC) 1272/2008 (CLP) (and subsequent amendments). However, since the product contains dangerous substances in such concentrations that have to be declared under section 3, it requires a safety data sheet with appropriate information, in accordance with Directive (EC)1907/2006 and subsequent amendments.

2.2 Directive 1272/2008 (CLP) and subsequent amendments
 Classification and hazard statements: Information not applicable.

2.3 Label elements
 Danger label in accordance with Directive (EC) 1272/2008 (CLP and subsequent amendments).
 Hazard pictograms: Not applicable
 Warnings: Not applicable

2.4 Hazard statements
 EUH210: The safety data sheet is available upon request
 EUH208: It contains: Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-2H-isothiazol-3-one (3:1).
 It may cause an allergic reaction.

2.5 Safety advice
 P101: If medical advice is needed, keep at the disposal the container or the label of the product.
 P102: Keep out of the reach of children.
 The safety data sheet is available on www.giorgiograesan.it

2.6 Other hazards
 Based on available data, the product does not contain any PBT or vPvB in percentage higher than 0.1%.

3 Composition / information on ingredients

3.1 Substances: Non relevant information.

3.2 Mixtures.

conc.%	Classification 1272/2008 (CLP)
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-2H-isothiazol-3-one (3:1).	
CAS. 55965-84-9	0-0.0015 Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Skin Corr. 1B H314, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410

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Note: Higher value of the range excluded.

4 First aid measures

4.1 Description of first aid measures
 EYES: Remove any contact lenses. Wash immediately thoroughly with water for at least 30/60 min, opening eyelids. Consult a doctor.

SKIN: Take off all contaminated clothing. Take a shower immediately. Consult a doctor.
 INGESTION: Make drink water as much as possible. Consult immediately a doctor. Do not induce vomiting unless expressly authorized by the doctor.
 INHALATION: Call a medic immediately. Bring the subject to the open air, away from the accident site. If breathing stops, practice artificial respiration. Rescuer must take adequate precautions.

4.2 Most important symptoms and effects, both acute and delayed
 For symptoms and effects due to the contained substances, see section 11.

4.3 Indication of any immediate medical attention and special treatment needed
 Information not available.

5 Firefighting measures

5.1 Extinguishing media
 SUITABLE EXTINGUISHING MEDIA: Extinguishing media are the conventional: carbon dioxide, foam, powder and nebulised water.
 NOT SUITABLE EXTINGUISHING MEDIA: None in particular.

5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela
 HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE: Do not breathe combustion products.

5.3 Raccomandazioni per gli addetti all'estinzione degli incendi
 GENERAL INFORMATION: cool the containers by spraying with water to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention equipment. Collect extinguishing water to prevent the product to percolate in drains. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
 EQUIPMENT: normal clothes to fight the fire, as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame-resistant gloves (EN 659) and Firefighter boots (HO A29 or A30).

6 Accidental release measures

6.1 Personal Protection, protective equipment and emergency procedures
 If fumes or powders are released into the air, adopt a respiratory protection. These guidelines apply to both clerks and those who work for the emergency interventions.

6.2 Environmental precautions:
 Do not allow the product to percolate in drains, watercourses, or open water.

6.3 Methods and materials for containment and cleaning up:
 Aspirate the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, checking section 10.
 Absorb remaining material with inert absorbent material.
 Ensure sufficient ventilation of the affected area. Check section 7 for any incompatibilities with the material of the containers. The disposal of contaminated material must be made in accordance with section 13.

6.4 Reference to other sections:
 Any information on personal protection and disposal is given in sections 8 and 13.

7 Handling and storage

7.1 Precautions for safe handling
 Handle the product after consulting all other sections in this security sheet. Avoid dispersal of the product in the environment. Do not eat, drink or smoke while handling it. Remove contaminated clothing and protective equipment before entering the areas where you eat.

7.2 Conditions for safe storage, including any incompatibilities Keep the product in clearly labeled containers. Keep containers closed, in a well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

7.3 Specific end use(s):
 Information not available.

8 Exposure controls / personal protection

8.1 Control parameters: Information not available.

8.2 Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration.

HANDS PROTECTION: Protect your hands with category III work gloves (ref. EN 374). The following must be considered for the final choice of the work glove material: compatibility, degradation, break time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use, as it is unpredictable. The gloves have a wear time that depends on the duration and the mode of use.

SKIN PROTECTION: Wear work clothes of category I with long sleeves and safety footwear for professional use (ref. Directive 89/686/EC and EN ISO 20344).

Wash with soap and water after removing protective clothing.

EYES PROTECTION: We recommend wearing tight protective goggles (ref. EN 166).

PROTECTION OF RESPIRATORY TRACTS: In case of exceeding the threshold value (eg. TLV-TWA) of the substance or one or more of the substances present in the product, consider wearing a mask with type A filter, whose class (1, 2 or 3) will be chosen according to the maximum concentration of use. (Ref. EN 14387). In the case were present gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) you should make use of combined type filters. The use of means of respiratory protection is required if the technical measures taken are not sufficient to limit worker exposure to the considered threshold values. The protection provided by masks is in any case limited. In the case where the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in case of emergency, wear an open circuit compressed air breathing apparatus (ref. Standard EN 137) or an outside air breathing apparatus (ref. standard EN 138). For the correct choice of respiratory protection device, refer to Standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from production processes, including those from ventilation should be checked for the purposes of compliance with environmental protection.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Colour:	Whitish
Odour:	Not available
Olfactory threshold:	Not available
PH:	7 - 10
Melting Point:	Not available
Boiling Point:	Not available
Boiling Range:	Not available
Flashpoint:	Not available
Evaporation rate:	Not available
Flammability of solids and gases:	Not available
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Lower explosive limit:	Not available
Upper explosive limit:	Not available
Vapour Pressur:	Not available
Density of vapours:	Not available
Relative density:	1.10 – 1.20 Kg/liter
Solubility in water:	Not available
Distribution coefficient/n-octano/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	5000-7000 cps
Explosive properties:	Not applicable
Oxidizing properties:	Not applicable

9.2 Altre informazioni

VOC (Directive 2004/42/EC) :	0.06 %
VOC (volatile carbon):	0.03 %

10 Stability and reactivity

10.1 Reactivity:

There are no particular risks of reaction with other substances in normal usage conditions.

10.2 Chemical stability:

This product is considered stable in normal usage and storage conditions.

10.3 Possibility of hazardous reactions:

There are no foreseeable hazardous reactions in normal usage and storage conditions.

10.4 Conditions to avoid:

None in particular. However, observe normal safety measures used in handling chemical substances.

10.5 Incompatible materials:

Information not available.

10.6 Hazardous decomposition products:

Information not available.

11 Toxicological information

In the absence of experimental toxicological data on the product itself, any product's potential health danger of the product has been evaluated basing on the properties of the substances contained, according to the criteria laid down in the classification reference standards. Consider therefore the concentration of the individual dangerous substances mentioned in section 3, in order to assess the toxicological effects of the product's exposure. The product contains sensitizing substance(s) and therefore it can cause an allergic reaction.

11.1 Information on toxicological effects:

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-2H-isothiazol-3-one (3:1)

LD50 (Oral): > 5000 mg/kg

LD50 (Dermal): > 5000 mg/kg

12 Ecological information

As there are no specific data on the preparation, adopt good working practices, avoiding release into the environment. Avoiding release into the soil or waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Take measures to minimize the effects on the groundwater.

12.1 Toxicity:

Information not available.

12.2 Persistence and degradability:

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-2H-isothiazol-3-one (3:1)

Rapidly Biodegradable.

12.3 Bioaccumulative potential:

Information not available.

12.4 Mobility in soil:

Information not available.

12.5 Results of PBT and vPvB assessment:

Based on available data, the product does not contain any PBT or vPvB in percentage higher than 0.1%

12.6 Other adverse effects:

Information not available.

13 Disposal considerations

13.1 Waste treatment methods: Reuse, if possible. Product residues as such are to be considered non-hazardous waste. Disposal must be performed through an authorized waste management, in compliance with national and local laws.

13.2 CONTAMINATED PACKAGING: Contaminated packaging must be recovered or disposed in compliance with national waste management regulations

14 Transport information

14.1 UN Number:

Not regulated.

14.2 UN proper shipping name:

Not regulated.

14.3 Transport hazard class transport:

Not regulated.

14.4 Packing group:

Not regulated.

14.5 Environmental hazards:

Not regulated.

14.6 Special precautions for user:

None in particular.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Information not relevant.

15 Regulatory information

15.1 Specific safety, health and environmental regulations:

Seveso category: None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to Directive (EC) No. 1907/2006: None.

Substances in the Candidate List (Art. 59 REACH): None.

Substances subject to authorization (Allegato XIV REACH): None.

Substances subject to export notification Directive (EC) 649/2012: None.

Substances subject to the Rotterdam Convention: None.

Substances subject to the Stockholm Convention: None.

Healthcare checks: Information not available.

VOC (Directive 2004/42/EC): Paints for decorative effects.

VOC given in g/liter of product ready for use: Maximum limit 200.00 (2010).

Product VOC: 0.68

15.2 Chemical safety assessment

A chemical safety assessment for the mixture and the substances it contains has not been elaborated yet.

16 Other information

Text of hazard statements (H) mentioned in sections 2-3 of the MSDS:

Acute Tox. 3	Acute toxicity, category 3
Skin Corr. 1B	Skin corrosion, category 1B
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Risk to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Danger to the aquatic environment, chronic toxicity, category 1
H301	Toxic if swallowed.
H311	Toxic to skin contact.
H331	Fatal if inhaled.
H314	Causes severe skin burns and eye damage.
H317	It may cause an allergic reaction to skin.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

LEGEND:

ADR: European Agreement concerning the transport of dangerous goods by road.

CAS NUMBER: Chemical Abstract Service Number.

EC50: Concentration that gives effect to 50% of the population subject to testing.

EC NUMBER: ID number in ESIS (European archive of existing substances).

CLP: Directive EC 1272/2008.

DNEL: Derived No Effect Level.

EmS: Emergency Schedule.

GHS: Globally Harmonised System for classification and labeling of chemicals.

IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association.

IC50: Concentration of immobilization of 50% of the population subject to testing.

IMDG: International Maritime Code for Dangerous Goods.

IMO: International Maritime Organization.

INDEX NUMBER: ID number in Annex VI of the CLP.

LC50: Lethal concentration 50%.

LD50: Lethal dose 50%.

OEL: Occupational Exposure Level.

PBT: Persistent, bioaccumulative and toxic according to REACH.

PEC: Predicted Environmental Concentration.

PEL: predictable level of exposure.

PNEC: Predicted No Effect Concentration.

REACH: EC Regulation 1907/2006.

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

TLV: Threshold Limit Value.

TLV CEILING: Concentration which should not be exceeded during any time of occupational exposure.

TWA STEL: Short Term Exposure Limit.

TWA: Exposure Limit Weighted average.

VOC: Volatile organic compound.

vPvB: Very persistent and very bioaccumulative according to REACH.

WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC as amended.
2. Directive 67/548/EEC and following amendments and adjustments.
3. Directive (EC) 1907/2006 of the European Parliament (REACH).
4. Directive (EC) 1272/2008 of the European Parliament (CLP).
5. Directive (EC) 790/2009 of the European Parliament (I Atp. CLP).
6. Directive (EC) 453/2010 of the European Parliament.
7. Directive (EC) 286/2011 of the European Parliament (II Atp. CLP).
8. Directive (EC) 618/2012 of the European Parliament (III Atp. CLP).
9. Handling Chemical Safety.
10. The Merck Index. Ed. 10.
11. Niosh - Registry of Toxic Effects of Chemical Substances.
12. INRS - Fiche Toxicologique.
13. Patty - Industrial Hygiene and Toxicology.
14. N.I. Sax - Dangerous properties of Industrial Materials 7 Ed.1989.
15. Web Site Agency ECHA.

NOTE TO USER: The information in this security sheet are based on knowledge available to us at the date of the last revision. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

It should not be construed as a guarantee on any specific product property. Since the use of this product is not subject to our direct control, users must, under their own responsibility, follow the laws and provisions in force concerning health and safety.

We do not take responsibility for improper use. Provide adequate training to personnel involved in the use of chemicals.