

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
	CERA METALLIZZATA	Revision Date	24/04/2020
		Page	1 of 7

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

1.1. Product identifier

Code: **1011**
Description: **CERA METALLIZZATA**

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

Relevant uses: **Water-based decorative paint**

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.

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP). The product, however, containing dangerous substances in a concentration such as to be declared in section no.3, requires a safety datasheet with adequate information, in accordance with Regulation (EU) 2015/830.

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

Hazard labelling in accordance with Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Warning: --

Hazard pictogram:--

Hazard indications:

EUH210 Safety datasheet available on request.

Precautionary statements: --

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

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
	CERA METALLIZZATA	Revision Date	24/04/2020
		Page	2 of 7

Components

Identification	Chemical name	Classification (EC REGULATION NO. 1272/2008)	Conc. [%]
CAS no: 34590-94-8 CE: 252-104-2 Index: Reach:	DIPROPYLENE GLYCOL MONOMETHYL ETHER		1 ≤ x < 5

The full text of the hazard statements (H) is given in section 16 of the datasheet.

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:

Seek medical advice immediately. Take the person to fresh air, away from the scene of the accident. If breathing stops, perform artificial respiration. Take appropriate precautions for the rescuer.

For skin contact: remove contaminated clothing. Take a shower immediately and wash thoroughly with soap and water. Seek medical advice immediately.

For eye contact:

Remove any contact lenses. Wash immediately with plenty of water for at least 30/60 minutes, with eyelids open wide. Seek medical advice immediately.

For ingestion/aspiration:

Drink as much water as possible. Seek medical advice immediately. Do not induce vomiting unless expressly authorised by your doctor.

4.2 Most important symptoms and effects, both acute and delayed:

There is no known specific information regarding the symptoms and effects caused by the product.

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

Information not available

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.

Avoid breathing in combustion products.

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).

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.

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
	CERA METALLIZZATA	Revision Date	24/04/2020
		Page	3 of 7

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 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.

Relative to contained substances:

Dipropylene glycol monomethyl ether: Exposure limits: TLV: 100 ppm; skin (ACGIH 1999). TLV: 150 ppm; (STEL) (skin) (ACGIH 1999).

8.2 Exposure controls

No specific control envisaged

HAND PROTECTION

Not necessary for normal use

SKIN PROTECTION

Not necessary for normal use

EYE PROTECTION

Not necessary for normal use

Respiratory protection

Not necessary for normal use

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.

Physical state	Liquid
Colour	white
Odour	Not applicable
Olfactory threshold.	Not applicable.
pH.	8-9
Melting or freezing point.	Not applicable.
Initial boiling point.	100°C
Boiling range.	Not applicable.
Flash point.	Not applicable
Evaporation rate	Not applicable.
Flammability of solids and gases	Non-flammable (water-based)
Lower flammability limit.	Not applicable
Upper flammability limit.	Not applicable
Lower explosive limit.	Not applicable
Upper explosive limit.	Not applicable
Vapour pressure.	Not applicable
Vapour Density	Not applicable
Relative density.	1.04 kg/litre

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
CERA METALLIZZATA		Revision Date	24/04/2020
		Page	4 of 7

Solubility	dispersible and/or soluble in glycol and alcohol mixes
Partition coefficient: n-octanol/water:	dispersible in all proportions
Auto-ignition temperature.	Not applicable
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):	Not applicable
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.

10.1. Reactivity.

No hazardous reaction if the following chemical storage technical instructions are respected, see section 7.

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.

Strong oxidants

10.5. Incompatible materials.

Strong oxidants

10.6. Hazardous decomposition products.

Information not available.

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 resulting from exposure to the product.

11.1 Information on toxicological effects:

- a) **Acute toxicity:** Not classified No data available for the product.
 - b) **Skin corrosion/irritation:** Not classified No data available for the product.
 - c) **serious eye damage/serious eye irritation** Not classified No data available for the product.
 - d) **respiratory or skin sensitisation:**
 - f) **carcinogenicity:** Not classified No data available for the product.
 - g) **reproductive toxicity:** Not classified No data available for the product.
 - h) **specific target organ toxicity (STOT) - single exposure:** Not classified No data available for the product.
 - i) **specific target organ toxicity (STOT) - repeated exposure:** Not classified No data available for the product.
 - j) **danger in case of aspiration:** Not classified No data available for the product.
- Toxicological information concerning the main substances present in the product: No data available for the product.

Other information:

Health hazards.

Contact with the eyes: Accidental contact of the product with the eyes may cause irritation.

Contact with the skin: The product is not an irritant. Direct and repeated and prolonged contact may dry out and irritate the skin, causing dermatitis in some cases.

Ingestion: If ingested, the product may cause irritation of the mucous membranes of the throat and digestive system resulting in abnormal digestive symptoms and intestinal disorders.

Inhalation: Prolonged exposure to vapours or mists of the product may cause irritation of the respiratory tract.

Relative to contained substances:

Dipropylene glycol monomethyl ether:

Routes of exposure: The substance can be absorbed into the body by inhalation of its vapours, through the skin and by ingestion.

Inhalation risks: Harmful contamination of the air occurs rather slowly by evaporation of the substance at 20°C.

Effects of short-term exposure: The vapour is irritating for the eyes and respiratory tract. The substance may determine effects on the central nervous system, resulting in narcosis.

Effects of repeated or long-term exposure: The liquid has a drying effect on the skin.

The toxicity for a single oral dose should be considered extremely low.

LD50 oral rat: 5,130 mg/kg.

Contact with the skin: LD50 dermal rabbit > 19,000 mg/kg

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
CERA METALLIZZATA		Revision Date	24/04/2020
		Page	5 of 7

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, refer to the components.

Dipropylene glycol monomethyl ether:

Mobility and bioaccumulative potential:

The bioaccumulative potential is low (Log Pow less than 3)

Degradation: readily biodegradable in the environment.

Aquatic toxicity:

LC50 acute for Pimephales promelas > 10,000 mg/l

EC50 acute Daphnia Magna : 1.919 mg/l

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

12.2 Persistence and degradability:

No data 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.

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.

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

Unregulated

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

Unregulated

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
	CERA METALLIZZATA	Revision Date	24/04/2020
		Page	6 of 7

SECTION 15. Regulatory information.

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

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)

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

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

Product restrictions: no restrictions.

Restrictions on contained substances: no restrictions.

Where applicable, refer to the following regulations:

Ministerial circulars 46 and 61 (Aromatic amines).

Directive 2012/18/EU (Seveso III)

Regulation 648/2004/EC (Detergents).

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

Dir. 2004/42/EC (VOC Directive)

Provisions relating to EU Directive 2012/18 (Seveso III):

Category Seveso III according to Annex 1, Part 1: no restrictions.

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.

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

Description of hazard indications listed in point 3

This datasheet has been revised in all its sections in accordance with Regulation 2015/830.

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

ECHA Agency WEBSITE

LEGEND

ADR: European Agreement on the international carriage of dangerous goods by road.

CAS No: Chemical Abstracts Service (American Chemical Society division).

CLP: Classification, Labelling, Packaging.

DNEL: Derived no effect level.

EINECS: European inventory of existing European chemicals on the market.

GefStoffVO: Ordinance on dangerous substances in Germany.

GHS: Harmonised global classification and labelling system for chemicals.

GIORGIO GRAESAN AND FRIENDS	Safety Datasheet	Code	SDS1011
		Revision	0
	CERA METALLIZZATA	Revision Date	24/04/2020
		Page	7 of 7

IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation 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: Deflagration index.
LC50: Lethal concentration for 50% of the test population.
LD50: Lethal dose for 50% of the test population.
PNEC: Predicted no effect concentration.
RID: Regulation concerning the international carriage of dangerous goods by rail.
ATE: Acute toxicity estimate
ATEmix: Acute toxicity estimate (Mixtures)
STEL: Short-term exposure limit.
STOT: Specific target organ toxicity.
TLV: Threshold limit value.
TWA: Time-weighted average
WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC and subsequent amendments
2. Directive 67/548/EEC and subsequent amendments
3. Regulation (EC) 1907/2006 of the European Parliament (REACH)
4. Regulation (EC) 1272/2008 of the European Parliament (CLP)
5. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)
8. Regulation (EC) 618/2012 of the European Parliament (III Atp. CLP)
9. The Merck Index. Ed. 10
10. Handling Chemical Safety
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. ECHA Agency Website

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.