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| GIORGIO GRAESAN<br>AND FRIENDS | <b>Safety Datasheet</b> | Code          | <b>SDS1039</b> |
|                                |                         | Revision      | 0              |
| <b>LATTE DETERGENTE</b>        |                         | Revision Date | 29/04/2020     |
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## SECTION 1. Identification of the substance or mixture and of the company/enterprise

### 1.1. Product identifier

Code: **1039**  
Description: **LATTE DETERGENTE**

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

Relevant uses: **Detergent for hard surfaces**

### 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.

Hazard class and category codes:

Eye Irrit. 2

Warning: hazard

Hazard pictogram:



Hazard indications:

H319 – Causes serious eye irritation

Precautionary statements:

- P101 - If medical advice is needed, have product container or label at hand
- P102 - Keep out of reach of children.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337 + P313 - If eye irritation persists, get medical advice/attention.

Contains: Coconut diethanolamide

Contains (Reg. EC 648/2004): < 5% Nonionic surfactants, Methylisothiazolinone, Benzisothiazolinone, Fragrance.

Safety datasheet available at: **www.giorgiograesan.it**

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### 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

#### Components

| Identification   | Chemical name          | Classification<br>(EC REGULATION NO. 1272/2008) | Conc.<br>[%]    |
|--|------------------------|---|-----------------|
| CAS no: 68603-42-9<br>CE: 271-657-0<br>Index:<br>Reach: 01-2119490100-53-XXXX              | Coconut diethanolamide | Eye Dam. 1 H318,<br>Skin Irrit. 2 H315          | 1 < x <= 2      |
| CAS no: 1336-21-6<br>CE: 2271-657-0<br>Index: 007-001-01-2<br>Reach: 01-2119488876-14-XXXX | Ammonia                | Skin Corr. 1B H314, Aquatic Acute 1 H400        | 0.01 < x <= 0.1 |

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:

Ingestion: May cause health ailments such as nausea and vomiting.

Direct contact with eyes (of pure product): Causes irritation. Symptoms may include: redness, oedema, pain and lacrimation  
Direct contact with the skin (of pure product):

Although there are no known cases of damage to health due to exposure to the product, symptoms such as redness and dryness cannot be excluded. Inhalation: Not relevant for identified use. If a mist or aerosol is formed, irritation of the upper respiratory tract cannot be excluded.

See also section 11.

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

In case of health ailments seek medical advice and follow the doctor's instructions. Do not administer any substance by mouth to unconscious people. Always seek medical advice if in doubt or if symptoms arise, even where not expected. If seeking medical advice, have the datasheet or label of the preparation at hand. In case of inhalation of decomposition products in a fire, symptoms may be delayed. Keep the exposed person under medical supervision for 48 hours.

## 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: Water jets. Use water jets only to cool the surfaces of the containers exposed to the fire.

### 5.2. Special hazards arising from the substance or mixture.

Hazards due to exposure in case of fire:

Combustion can lead to the formation of hazardous gases and/or vapours. Exposure to decomposition products can cause damage to health. Avoid breathing in combustion products.

#### GENERAL INFORMATION

Cool containers with water jets to prevent decomposition of the product and the development of substances that are potentially hazardous to health.

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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.**

For non-emergency personnel:

Move away from the area surrounding the leak or release. Do not smoke.

Wear a mask, gloves and protective clothing.

For emergency personnel:

Wear a mask, gloves and protective clothing.

Eliminate all open flames and possible sources of ignition. Do not smoke.

Provide for suitable ventilation.

Evacuate the danger area and consult an expert if necessary.

**6.2. Environmental precautions.**

Contain the product with earth or sand.

If the product has flowed into a waterway or contaminates soil or vegetation, notify the competent authorities. Dispose of the residue in accordance with legislation in force (Italian Legislative Decree 152/2006 and subsequent amendments).

**6.3. Methods and materials for containment and cleansing.**

For containment:

Quickly collect the product wearing a mask and protective clothing.

Collect the product for reuse, if possible, or for disposal. Absorb it with inert material if necessary. Do not let the product enter the drains.

For cleaning:

After collection, wash the affected area and materials with water.

Other information:

None in particular.

**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.**

Avoid contact and inhalation of vapours.

During work, do not eat or drink.

See also the following paragraph 8.

**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:

Ammonia:

TLV (as TWA): 25 ppm; 17 mg/m<sup>3</sup> (for NH<sub>3</sub>); as STEL: 35 ppm; 24 mg/m<sup>3</sup> (ACGIH 1994-1995).

**8.2 Exposure controls**

Suitable technical checks:

Consumer uses:

Open with caution. Always close the bottle properly and immediately.

Adopt the relevant individual protection measures.

Professional uses:

Open with caution. Always close the bottle properly and immediately.

Adopt the relevant individual protection measures.

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Individual protection measures:

a) Eye / face protection

When handling the pure product use safety goggles (with side protection) (EN 166).

b) Skin protection

i) Hand protection When handling the pure product use chemical resistant safety gloves (EN 374-1/EN374-2/EN374-3)

ii) Other

When handling the pure product wear protective clothing for the skin (EN 14605).

C) Respiratory protection

Not necessary for normal use.

d) Thermal hazards

No hazards to report.

**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                          | Viscous liquid              |
| Colour                                  | white                       |
| Odour                                   | Characteristic of ammonia   |
| Olfactory threshold.                    | Not applicable.             |
| pH.                                     | 8-9                         |
| Melting or freezing point.              | <0°C.                       |
| Initial boiling point.                  | Not applicable              |
| Boiling range.                          | Not applicable.             |
| Flash point.                            | >60°C                       |
| 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                          | 1                           |
| Relative density.                       | 1.25-1.35 kg/litre          |
| Solubility                              | Not applicable              |
| Partition coefficient: n-octanol/water: | -2.7                        |
| Auto-ignition temperature.              | Not applicable              |
| Decomposition temperature.              | >200°C                      |
| Viscosity                               | 3000-7000 mPa               |
| 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.

The product contains calcium carbonate. Develops carbon dioxide (CO<sub>2</sub>) in contact with acidic substances.

### 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.

Minimise exposure to air and moisture to avoid degradation.

### 10.5. Incompatible materials.

Keep away from acidic and oxidising materials. See also Section 7.

### 10.6. Hazardous decomposition products.

In the event of fire gases and vapours potentially harmful to human health may be released (carbon oxides, calcium oxides, nitrogen oxides, pyrolytic products).

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## 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:

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on the available data the classification criteria are not satisfied
- (b) skin corrosion / irritation: based on the available data the classification criteria are not satisfied
- (c) serious eye damage / irritation: The product, if brought into contact with the eyes, may cause serious irritation that can last for more than 24 hours.
- (d) respiratory or skin sensitisation: based on the available data the classification criteria are not satisfied.
- (e) germ cell mutagenicity: based on the available data the classification criteria are not satisfied
- (f) carcinogenicity: based on the available data the classification criteria are not satisfied
- (g) toxicity to reproduction: based on the available data the classification criteria are not satisfied
- (h) specific target organ toxicity (STOT) single exposure: based on the available data the classification criteria are not satisfied
- (i) specific target organ toxicity (STOT) repeated exposure: based on the available data the classification criteria are not satisfied
- (f) aspiration hazard: based on the available data the classification criteria are not satisfied

Relative to contained substances:

Coconut diethanolamide:

Contact with the eyes: irritating for eyes (rabbit). Can cause permanent eye damage.

Contact with the skin: moderately irritating for a single application (4h-rabbit)

Readily biodegradable as per the criteria of Directive EEC 67/548 and subsequent amendments.

LD50 Oral (rat) (mg/kg of body weight) = 2100

Ammonia:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapours or aerosol and by ingestion.

INHALATION RISKS: Harmful contamination of the air can occur very quickly by evaporation of the substance at 20°C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is corrosive to the eyes, skin and respiratory tract. Corrosive also by ingestion. Inhalation of high concentrations of vapour may cause an oedema of the larynx, inflammation of the respiratory tract and chemical pneumonia. The effects can be delayed.

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: The lungs may be damaged by repeated or long-term exposure to the vapour or aerosol.

ACUTE RISKS/SYMPTOMS OF INHALATION: Burning sensation. Cough. Difficulty breathing. Shortness of breath. Sore throat.

SKIN Corrosive. Redness. Serious skin burns. Pain. Blisters.

EYES Corrosive. Redness. Pain. Blurred vision. Serious deep burns.

INGESTION Corrosive. Abdominal cramps. Abdominal pain. Sore throat. Vomiting. (See also Inhalation).

NOTES: Depending on the degree of exposure, periodic clinical tests are indicated. Do not completely fill the container with the substance; highly concentrated solutions may cause an increase in pressure. Open with caution. The other UN numbers are: UN 1005 Ammonia, liquid anhydrous or solution, relative density less than 0.880 at 15°C in water, in concentrations greater than 50% ammonia; UN 2073 Ammonia, 35-50%.

## SECTION 12. Ecological information.

The following assessment was made based on the ecological data available for the individual ingredients and based on their quantity using the calculation methods proposed by the most up-to-date version of European directives on the classification of preparations.

Avoid releasing the product into the environment. Avoid releasing the product in the soil, drains or waterways. Notify the competent authorities if the product reaches waterways or drains, or if it contaminates soil or vegetation.

### 12.1 Toxicity:

Tests on the environmental impact in the event of accidental release into the environment have not been carried out on the product as is.

Relative to contained substances:

Coconut diethanolamide:

Theoretical oxygen demand (thod): 2.52 mg O<sub>2</sub> /mg.

Chemical oxygen demand (COD): 2.51 mg O<sub>2</sub> /mg.

Ammonia:

The substance is very toxic to aquatic life. LC50 Crustaceans/6.25 days = 1.44 mg/l. L(E)C50 (mg/l) = 0.7

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

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**12.2 Persistence and degradability:**

Biodegradability: methods for the determination of biological degradability are not applicable to inorganic substances.

Relative to contained substances:

Coconut diethanolamide:

Primary biodegradation: greater than 90% (OECD) Ready biodegradation: greater than 60%

**12.3 Bioaccumulative potential:**

The ingredients contained in this product have a low bioconcentration factor (BFC).

**12.4 Mobility in soil:**

Given the complete solubility in water of the product, its mobility in soil is very high.

**12.5 Results of PBT and vPvB assessment:**

The substance/mix contains PBT/vPvB substances in compliance with Regulation (EC) 1907/2006, annex XIII

**12.6 Other adverse effects:**

Information not available.

Regulations (EC) no. 648/2004 and 907/2006 The surfactant(s) contained in this formula complies(comply) with the biodegradability criteria established by Regulation (EC) no. 648/2004 and subsequent amendments relating to detergents. All the supporting data is available to the competent authorities of the member States and shall be provided, upon their explicit request or at the request of a manufacturer of the formulation, to the aforementioned authorities.

**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

**SECTION 15. Regulatory information.**

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

Reg. 648/2004/EC (detergents), Italian Legislative Decree no. 52 of 3/2/1997 (Classification, packaging and labelling of dangerous substances). Italian Legislative Decree no. 65 of 14/3/2003 (Classification, packaging and labelling of dangerous preparations). Italian Legislative Decree no. 25 of 02/02/2002 (Risks arising from chemical agents at work). Italian Ministerial Decree of Labour 26/02/2004 (Occupational exposure limits); Italian Ministerial Decree 03/04/2007 (Implementation of Directive 2006/8/EC). Regulation (EC) no. 1907/2006 (REACH), Regulation (EC) no. 1272/2008 (CLP), Regulation (EC) no.790/2009 Italian Legislative Decree no. 238 of 21 September 2005 (Seveso Ter Directive).

**15.2. Chemical safety assessment.**

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

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### SECTION 16. Other information.

Description of hazard indications listed in point 3

H315 = Causes skin irritation

H318 = Causes serious eye damage

H314 = Causes severe skin burns and eye damage.

H400 = Very toxic to aquatic life

Classification made based on the data of all components of the mix

Main legislative references:

Regulation 2008/1272/EC

Regulation 2015/830/EC

ECHA link (source of information on chemical substances produced and imported in Europe)

<http://echa.europa.eu/it/information-on-chemicals;jsessionid=63968E9F85F91C26F330FF884618CFFF.live1>

MSDS provided by the client and relative to the raw material itself

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.