

Safety data sheet according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) 830/2015		
Trade name: GRANIC® 1025	Version: 4.0 / EN	IT-MSEN1025
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1 IDENTIFICATION OF THE SUBSTANCE/COMPOUND AND OF THE COMPANY

1.1 Product identifier: **GRANIC® 1025**

Identification of the compound Olefin polymer (polypropylene base) with natural filler

Identification on the label / trade name: **GRANIC® 1025**

1.2 Relevant identified uses of the substance or compound and uses advised against

1.2.1 Identified uses:

As a raw material (master batch) for the plastics industry, as an additive to the base polymer to alter its properties during processing.

1.2.2 Uses advised against:

All those not expressly identified.

1.3 Details of the supplier of the safety data sheet

Company: GESTORA CATALANA DE RESIDUOS. Torrent Tortuger, 23. P.I. Can Salvatella - 08210 Barbera del Valles (Barcelona).

e-mail: info@gcrgroup.es

1.4 Emergency telephone number: Tel. (+34) 977 166 950

2 HAZARDS IDENTIFICATION

2.1 Classification of the compound:

The compound is not classified in any hazard class specified in Regulation (EC) 1272/2008 (CLP) and its Adaptations to Technical Progress.

2.2 Label elements

There are no applicable label elements. (Exemption according to section 1.3.4., Annex I of Regulation (EC) 1272/2008).

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3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Information on the compound's ingredients

Name	CAS No.	EC No.	% Conc.	Classification	REACH Registration No.
CaCO ₃	1317-65-3	215-279-6	84	Not classified	-

3.2 Hazardous ingredients:

The compound's ingredients, including the additives, do not meet the requirements set forth in section 3.2.2., Annex I of Regulation 830/2015, and therefore are not included in this section.

4 FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 After inhalation:

Move to a well-ventilated location. If necessary, use adequate respiratory protection. In the event of irritation, dizziness, nausea or loss of consciousness, seek medical attention. If the person is not breathing, start artificial respiration immediately.

4.1.2 After skin contact:

Remove contaminated clothing and wash the skin immediately with plenty of water and soap. Wash or dispose of contaminated clothing and/or materials. If irritation appears, seek medical attention.

4.1.3 After eye contact:

Rinse with plenty of water, holding the eyelids open. Remove contact lenses, if the person is wearing them. If irritation appears, seek medical attention.

4.1.4 After oral intake:

Always treat symptomatically and seek medical attention immediately.

4.2 Most important symptoms and effects

As a solid powder, it may cause eye, skin and respiratory (if it is inhaled) irritation.

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4.3 Information about medical attention:

After skin or eye contact, treatment should generally be symptomatic and palliative.

5 FIREFIGHTING MEASURES

5.1 Suitable extinguishing media:

Water spray, foam, dry powder or CO₂.

5.2 Unsuitable extinguishing media:

Avoid aiming water directly at the flames.

5.3 Combustion products or gases:

Carbon oxides (CO, CO₂), nitrogen oxides. If combustion is incomplete, alcohols, aldehydes, ketones, esters and low molecular weight hydrocarbons may be formed, some of which are classified as hazardous (methane, benzene, etc.).

5.4 Special protective equipment for firefighters:

Use a face shield to protect from sprayed or splashed material and suitable clothing, gloves and footwear to protect the skin. It may be necessary to wear positive-pressure self-contained breathing apparatus. Take the wind direction into account during extinguishing. The protective clothing for firefighters should at least meet the requirements of standard UNE-EN 469.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 5 for the firefighting measures. See section 4 for the first aid measures. See section 8 for exposure controls/personal protection. Avoid dust formation and inhalation. Avoid possible sources of ignition.

6.2 Environmental precautions:

Contain spilled material and do not allow it to reach waterways, groundwater or sewers.

6.3 Methods and material for containment and cleaning:

Collect small spills using mechanical means and spray the affected area with water.

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7 HANDLING AND STORAGE

7.1 Handling

To maintain the initial quality of the product, it has to be used within **5 months** after its delivery. Use only with adequate ventilation. Keep away from sources of heat and ignition. Avoid contact with the product and inhalation of any powder particles that may be formed during handling. Wash yourself thoroughly after handling.

7.2 Storage

Store in a cool (below 25°C), well-ventilated covered location, protected from exposure to direct sunlight and sources of heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

Exposure limits/standard (the exposure limits are not additive)

Substance	Limit/Standard		Remarks	Source	Year
Particles (inhalable fraction)	ELV-DE	10 mg/m ³	Notes c, o, d, e	INSHT [‡]	2015
Particles (breathable fraction)	ELV-DE	3 mg/m ³	Notes c, o, d, e	INSHT [‡]	2015

[‡] Occupational exposure limits for chemicals in Spain - National Institute of Occupational Health and Safety - 2015 (Ministry of Employment and Social Security)

8.2 Exposure controls

8.2.1 Engineering measures

There should be a sufficient, localised ventilation system to prevent the formation of atmospheres with suspended powder and, consequently, prevent the accumulation of hazardous particle concentrations in the air in the work environment (above their respective occupational exposure limits).

It is advisable to provide showers and eyebaths near the locations where this compound is handled.

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8.2.2 Personal protection measures

The protective equipment chosen depends on the potential exposure conditions, such as applications, handling, concentration and ventilation. The information given below is based on normal use.

Respiratory protection: If the engineering measures do not keep contaminant concentrations at levels that are low enough to protect workers' health, consider using a respirator. The respirator chosen, its use and maintenance must comply with regulatory requirements. The types of respirator to be considered are: Positive-pressure respirators must be used, respirator with an air supply if particle accumulation is expected. Standards EN 126, 140 and 405 provide breathing masks and EN 149 and 143 provide recommendations on filters.

Hand protection: The types of gloves that should be considered are chemical-resistant. If there is contact with the forearms, it is recommended to use neoprene or butyl rubber gloves. Standards EN 420 and EN 374 provide the general requirements and the lists of glove types. Gloves should be inspected and replaced regularly, as they wear, can break and lose their protective effectiveness.

Eye protection: It is recommended to use chemical safety glasses with side shields.

Body protection: The recommended garments are: chemical-resistant clothing.

Hygiene measures: Wash yourself after handling the material and before eating, drinking or smoking. Wash work clothing and protective equipment regularly to remove contaminants. Dispose of clothing and footwear that cannot be cleaned.

8.2.3 Environmental controls

Avoid any spillage on the ground, into water or as a waste, except as provided in current legislation concerning hazardous wastes.

See sections 6, 7, 12, 13.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

Appearance: Granules

Form: Solid

Colour: White

Odour: None

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Item	Value	Unit	Method
pH at 20 °C	Not applicable	u.pH	
Melting point/range	140 - 170	°C	
Freezing point/range	Not available		
Boiling point/range	Not available	°C	
Flash point	Not available		
Evaporation rate	Not available		
Solid flammability	Non-flammable		
Upper/lower flammability or explosive limit	Not available		
Vapour pressure at 50°C	Not available		
Vapour density	Not available		
Relative density	1.7 - 2.0	g/cm ³	
Solubility in water at 20°C	Insoluble		
n-Octanol/Water partition coefficient (log Po/w)	Not available		
Self-ignition temperature	Not available		
Thermal decomposition	Not available		
Viscosity at 40 °C	Not available	cSt	
Explosive properties	Not available		
Oxidizing properties	Not available		

10 STABILITY AND REACTIVITY

- 10.1 **Chemical stability:** The material is stable if handled and stored as recommended.
- 10.2 **Possibility of hazardous reactions:** In the event of fire, see section 5.
- 10.3 **Conditions to avoid:** Avoid all possible sources of ignition (heat sources, sparks, flames, etc.) or contact with oxidizing substances or acids.
- 10.4 **Hazardous polymerisation:** Does not occur.
- 10.5 **Hazardous decomposition products:** In the event of fire, see section 5.

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11 INFORMATION ON TOXICOLOGICAL EFFECTS

11.1 Acute toxicity

No data from acute toxicity tests on the compound are available, but according to the results published^{1,2} for the compound's ingredients and applying the classification criteria specified in the CLP Regulation, the compound defined in this SDS is not classified in any acute toxicity hazard category.

11.2 Long-term toxicity

According to the studies published^{1,2} for the compound's ingredients, the compound is not expected to have carcinogenic, mutagenic or reproductive toxicity effects.

11.3 Specific target organ toxicity

According to the studies published for the compound's ingredients, it is not expected to have specific target organ toxicity.^{1,2}

12 ECOLOGICAL INFORMATION

12.1 Toxicity:

The ecotoxicological data published for the compound's ingredients, and their concentrations in it, indicate that the compound defined in this SDS is not expected to have ecotoxicological properties. However, carbonates in general may contribute to contaminating aquifers, having harmful effects by altering the pH and ion balance.

12.2 Persistence and degradability

Being a mostly inorganic compound, this item is not applicable.

12.3 Bioaccumulative potential

There are no data available on bioaccumulative potential concerning the compound, although the fact that it contains mostly inorganic substances indicates that bioaccumulation is unlikely.

12.4 Results of PBT and vPvB assessment

Taking into account the fact that the compound is inorganic and the low log Pow value, the persistence and bioaccumulation criterion is not met. As regards toxicity, the criterion is not met as acute toxicity in water is expected to be <0.01 g/L and the compound is not classified as carcinogenic, mutagenic or toxic to reproduction.

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13 DISPOSAL CONSIDERATIONS

13.1 Suitable waste treatment/disposal methods:

Disposal should be made in accordance with current regional, national and European legislation concerning correct disposal of this substance's waste and its containers.

13.2 Waste coding / Waste name according to LER:

07 02 15 Waste from additives, other than those specified in code 07 02 14

14 TRANSPORT INFORMATION

After evaluating the product's physical, chemical and toxicological properties, it does not meet the classification criteria for hazardous goods carriage by any means of transport.

Regulation	UN Number	Proper shipping name	Class	Packaging group	Additional information
Classification ADR/RID	Not classified				
Classification ADNR	Not classified				
Classification IMDG	Not classified				
Classification IATA	Not classified				

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or compound.

- **Authorisations and/or restrictions:**

Authorisations: Not applicable
Restrictions on use: Not applicable

- **National legislation:**

ROYAL DECREE 374/2001 on the protection of workers' health and safety against chemical-related risks at work.

ROYAL DECREE 363/1995, of 10 March, approving the Regulation concerning the reporting of new substances and the classification, packaging and labelling of dangerous substances.

ORDER of 5 April 2001 amending Annexes I, IV, V, VI and IX of the Regulation concerning the reporting of new substances and the classification, packaging and

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labelling of dangerous substances, approved by Royal Decree 363/1995, of 10 March.

ORDER PRE/2317/2002, of 16 September, amending Annexes II, III, IV, V, VI, VII and VIII of the Regulation concerning the reporting of new substances and the classification, packaging and labelling of dangerous substances, approved by Royal Decree 363/1995, of 10 March.

ORDER PRE/1244/2006, of 20 April, amending Annexes I and IV of the Regulation concerning the reporting of new substances and the classification, packaging and labelling of dangerous substances, approved by Royal Decree 363/1995, of 10 March.

15.2 Chemical safety assessment

The supplier has not prepared a chemical safety report on the product.

16 FURTHER INFORMATION

16.1 Parts of the SDS modified:

Change in sections due to Directive 67/548 / EEC has been repealed, remaining Regulation (EC) 1272/2008 (CLP) in force.

16.2 Information evaluation methods used for classification of the compound.

The classification criteria used are those indicated in tables 3.2.4 of Annex I of Regulation (EC) 1272/2008.

16.3 Data sources

See references at the end of the document.

ANNEXES: NO EXPOSURE SCENARIOS ARE PROVIDED BECAUSE NO CHEMICAL SAFETY REPORT HAS BEEN PREPARED.

¹ ECHA database information of registered substances under REACH Regulation: <http://apps.echa.europa.eu/registered/registered-sub.aspx#search>

² European Chemical Substances Information System: <http://esis.jrc.ec.europa.eu/>