

Safety data sheet according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

1 IDENTIFICATION OF THE SUBSTANCE/COMPOUND AND OF THE COMPANY

1.1 Product identifier

Identification of the compound: Olefin polymer with natural filler.

Identification on the label / trade name: GRANIC 422

Product form: Mixture

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

1.2.1 Identified uses:

Industrial use. 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 (GCR). Calle Mayor, nº32, 2nd floor, 1st door, Despacho Unión. 08221 Terrassa (Barcelona, España).

e-mail: info@gcrgroup.es

1.4 Emergency telephone number

Emergency number: (+34) 977 166 950

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3 Other hazards

PBT: not yet assessed

vPvB: not yet assessed

No PBT/vPvB substances are intentionally added, therefore it is expected that there will be no $\geq 0.1\%$ assessed under REACH Annex XIII.

In this mixture, GCR does not add intentionally substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.



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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	80	Not classified	-

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General	: If you feel unwell, seek medical advice (show the label where possible).
after inhalation	: Remove person to fresh air and keep comfortable for breathing. Apply artificial respiration if breathing stopped.
after skin contact	: Remove contaminated clothing. . Wash skin with plenty of water. If irritation occurs : Get medical advice/attention.
after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.
after ingestion	: Treat symptomatically. Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Information about medical attention

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

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO ₂), 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.).
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5.3 Advice for firefighters

Precautionary measures fire	: Take in account wind direction. The protective clothing for firefighters should at least meet the requirements of standard UNE-EN 469.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.



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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. See section 5 for the firefighting measures. See section 4 for the first aid measures. For further information refer to section 8: "Exposure controls/personal protection". Avoid dust production. 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 up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to sections 8 and 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from open flames/heat. Avoid formation and deposition of dust.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

To maintain the initial quality of the product, it has to be used within **5 months** after its delivery.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep in a dry and cool place.
Incompatible materials : Direct sunlight. Heat sources, contact with oxidizing substances or acids
Storage temperature : $\leq 25^{\circ}\text{C}$
Other information : Care should be taken when storing and handling this product. Regardless of the specific nature of the product, conditions such as humidity, sunlight and temperature during storage and handling will affect the behaviour of the product. Special care must be taken not to improperly stow palletised material or other packaging units. The storage of the pallets in the racks is the responsibility of the customer, the racks must be specifically dimensioned for the pallet to be used.

7.3 Specific end use(s)

See Section 1.



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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National occupational exposure and biological 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, e	INSHT*	2024
(inhalable fraction)	ELV-DE	3 mg/m ³	Notes c, o, d, e	INSHT*	2024

* Occupational exposure limits for chemicals in Spain - National Institute of Occupational Health and Safety - 2024 (Ministry of Employment and Social Security)

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

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).

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 : Approved respirators must be used when concentrations are expected to exceed the exposure limits.
- Hand protection : Not applicable.
- Eye protection : It is recommended to use chemical safety glasses.
- Body protection: : Not applicable.
- Hygiene measures: : Wash yourself after handling the material and before eating, drinking or smoking. Wash work clothing and protective equipment.
- Thermal hazards : No additional information available

8.2.3 Environmental exposure 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.



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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

Physical state: Solid
Colour: White/cream
Appearance: Granules
Odour: None

Parámetro	Valor	Unidad	Método
Odour threshold	Not available		
Melting point	100 – 130	°C	
Freezing point	Not applicable		
Boiling point	Not available		
Flammability	Non flammable.		
Explosive limits	Not applicable		
Lower explosion limit	Not applicable		
Upper explosion limit	Not applicable		
Flash point	Not applicable		
Auto-ignition temperature	Not applicable		
Decomposition temperature	Not available		
pH	Not available	u.pH	
pH solution	Not available		
Viscosity, kinematic	Not applicable		
Solubility	Insoluble in water.		
Partition coefficient n-octanol/water (Log Kow)	Not available		
Vapour Pressure 20°C	Not available		
Vapour pressure at 50 °C	Not available		
Density	Not available		
Relative density	1.7 – 2.0	g/cm ³	
Vapour density	Not applicable		
Particle size (D ₉₈)	6	µm	Mastersizer 2000 (mineral)

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

The material is stable if handled and stored as recommended.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. In the event of fire, see section 5.



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10.4 Conditions to avoid

Avoid all possible sources of ignition (heat sources, sparks, flames, etc.) or contact with oxidizing substances or acids.

10.5 Incompatible materials

Oxidizing substances or acids.

10.6 Hazardous decomposition products

In the event of fire, see section 5.

11 INFORMATION ON TOXICOLOGICAL EFFECTS

11.1 Acute toxicity

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

No additional information available.



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12 INFORMATION ON TOXICOLOGICAL EFFECTS

12.1 Toxicity

- | | | |
|---|---|---|
| Ecology - general | : | 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. |
| Hazardous to the aquatic environment, short-term (acute) | : | See Section Ecology - general |
| Hazardous to the aquatic environment, long-term (chronic) | : | See Section Ecology - general |

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 Mobility in soil

No additional information available

12.5 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.

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- | | | |
|-----------------------------------|---|--|
| Waste treatment 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. |
| European List of Waste (LoW) code | : | 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.



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

15 REGULATORY INFORMATION

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

15.1.1 EU-Regulations

REACH Candidate List (SVHC)

According to our suppliers, the above mentioned product does not contains no substance(s) listed on the REACH Candidate List

15.1.2 National legislation:

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

15.2 Chemical safety assessment

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

16 FURTHER INFORMATION

16.1 Indication of changes

The most relevant changes are indicated below.

Section	Changed item	Modification/Comments
All	All	SDS EU format according to COMMISSION REGULATION (EU) 2020/878

16.2 Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods



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OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
CAS-No.	Chemical Abstract Service number
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

16.3 Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

