

## 1 PRODUCT AND COMPANY IDENTIFICATION

Producto Name Active Clear Glass  
 Product code 57011 - 57012 - 57013  
 Product use Filtration glass media for water treatment.  
 Supplier Togama S.A.  
 Ctra. Villarreal – Onda km.6 12540 Villarreal (Spain)  
 +34 964 626 512  
 togama@togama.com  
 Emergency 34 964 626 512 (Monday - Friday 8 - 18h)

## 2 HAZARDS IDENTIFICATION

Product classification This product is not considered a hazardous preparation according to the classification established in Directive 1999/45 / EC. This product is inert.  
 It is not necessary to sign dangerous merchandise.

## 3 COMPOSITION

Description Calcium sodium glass processed from recycled glass.  
 CAS 65997-17-3  
 EINECS 266-046-0  
 Chemical Composition:

Oxide	% (weight)
SiO <sub>2</sub>	50 - 70%
CaO	5 - 25%
Na <sub>2</sub> O	5 - 25%
Al <sub>2</sub> O <sub>3</sub>	1 - 5%
K <sub>2</sub> O	1 - 5%
MgO	1 - 5%
Fe <sub>2</sub> O <sub>3</sub>	< 1,0%
TiO <sub>2</sub>	< 0,5%
SrO	< 0,5%
Cr <sub>2</sub> O	< 0,5%
PbO	< 0,5%
BaO	< 0,5%

## 4 FIRST AIDS MEASURES.

General In case of doubt, or when symptoms of discomfort persist, seek medical attention.  
 Due to the typology of the product no particular warnings are needed.  
 Inhalation Go to a ventilated place, drink water to clean your throat and blow your nose to evacuate the dust. If the irritation persists go to a medical center.  
 Eyes contact Rinse with clean water for at least 15 minutes. If the irritation persists seek medical attention.  
 Skin contact Wash the area with water. If irritation occurs seek medical attention.  
 Ingestion Seek medical attention. Keep him at rest. Never cause vomiting.  
 Special measures Showers and eyewash safety.  
 Symptoms There are no known acute or delayed effects from exposure to the product.

## 5 FIRE FIGTHING MEASURES

Risk The product is non-combustible and does not present particular risk in case of fire.  
 Flammable properties The product is not classified as flammable or explosive.  
 Extinguishing media Extinguishing powder or CO<sub>2</sub>. In case of more serious fires also alcohol-resistant foam and water spray. Do not use for direct water jet extinction.  
 Specific hazards Specific hazards Fire can produce thick black smoke. As a result of thermal decomposition, hazardous products may be formed: carbon monoxide, carbon dioxide. Exposure to products of combustion or decomposition can be harmful to health.  
 Recommendations for firefighting personnel Refrigerate tanks, cisterns or containers near the source of heat or fire with water. Take into account the direction of the wind. Avoid that the products used in the fight against fire, go into drains, sewers or water courses.  
 Fire protection equipment Depending on the magnitude of the fire, it may be necessary to wear protective clothing against heat, self-contained breathing apparatus, gloves, goggles or face masks and boots. Both the pallet and the film that is part of the packaging are within the classification of industrial waste (they are not special or hazardous waste). It is recommended that both components be disposed separately for final disposal or for recycling.  
 The combustion of the surrounding plastic is not recommended as it can emit dangerous vapors.  
 It is also not recommended to burn wood pallets to avoid environmental contamination.

## 6 ACCIDENTAL RELEASE MEASURES

**Release Measures**                      Special measures are not necessary.  
The glass is considered an inert waste according to Decision 2003/33 / EC. In case of becoming a waste, it must be managed in accordance with applicable national and regional legislation.  
In case of spillage with dust formation, clean the area by watering to avoid dispersion in the air using a dust mask. Do not use without adequate protective equipment.

## 7 HANDLING AND STORAGE

**Handling**                                      The product does not require special handling measures.  
General measures:  
For personal protection, see section 8.  
Comply with the legislation on safety and hygiene at work.  
The equipment used for handling it must be adequate for the weight involved.  
Constant manipulation can cause upper limb disorders such as strains and sprains. An inadequate effort can cause problems in the spine for which the use of lumbar support is recommended, and the adoption of appropriate postures.  
Keep your back straight and snug.

**Storage**                                      The product does not require special storage measures.  
As a general storage condition, sources of heat, radiation and electricity should be avoided.  
Keep away from oxidizing agents and strongly acidic or alkaline materials.  
Store the containers between 5 and 35 ° C, in a dry and well-ventilated place.  
Store according to local legislation.  
It is advisable to place the pallets in preferably concrete floors, perfectly level.  
The pallets should not be stacked.  
This activity must be carried out by forklift drivers with certified training.  
The storage both in shelving and in another type of surface, must support the respective weight.  
If the wrapping film has suffered deterioration due to friction or degradation, it is advisable to secure the sacks before unloading the collection to avoid bag collapses.  
It is convenient for this to take the following precautions:

- Avoid shocks between pallets.
- If possible, do not expose to the sun those pallets that will be stored for long periods of time since they could deteriorate due to aging due to ultraviolet radiation.

The use of hard hat and safety shoes in work areas is recommended in order to minimize any risk associated with falling material.  
The elevators used must be provided with a metal protection cabin.

## 8 PERSONAL PROTECTION.

**Respiratory protection**                      Use a mask for particles (EN 149)  
**Skin protection**                                  Protective gloves to avoid possible irritations and dry skin.  
**Eyes protection**                                  Adjusted safety glasses (EN 166)

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid glass.
Odor	Odorless
Colour	Characteristic
Softening point	650 °
Melting point	> 1350°C
Density	2.500 kg/m <sup>3</sup>
Bulk density	1250 - 1.350 kg/m <sup>3</sup>
Loss of mass versus acid	< 0,35%
Inflammability	No
Explosive properties	No
Oxidizing properties	No
Solubility	No

**10 STABILITY AND REACTIVITY**

Stability The product is stable under normal conditions of handling and storage.  
Reactivity The product does not present the possibility of dangerous reactions.

**11 TOXICOLOGICAL INFORMATION**

## Immediate effects

By inhalation Dust may slightly irritate the upper respiratory tract after inhalation of high concentrations of dust.  
By ingestion No immediate effects  
Skin contact No immediate effects  
Eyes contact Exposure to high concentrations of dust may cause irritation.

## Chronic effects

The product does not contain harmful or toxic elements.  
Continued exposure to glass dust sometimes causes irritation of the respiratory tract.  
There is no evidence that glass dust causes cancer or malignant respiratory diseases, however, in the long term and due to continued exposure can cause silicosis, pulmonary fibrosis.

**12 ECOLOGICAL INFORMATION.**

Ecological information Product 100% recycled and 100% recyclable.  
Inert powder, insoluble in water, without effect on the environment.  
It does not present adverse effects on aquatic organisms nor is it considered dangerous for air pollution.

**13 DISPOSAL CONSIDERATIONS**

Whenever possible, the product, a waste-by-product, should be valued.  
Otherwise, it must be managed as inert waste in accordance with the provisions of RD 1481/2001 and Decision 2003/33 / CE.  
The LER code applicable to the waste, according to Order MAM / 304/2002 is the LER 20 01 02 "Glass".  
If during the use of the product is contaminated with a dangerous substance, the waste can be processed as hazardous waste depending on the nature and quantity of these substances.

**14 TRANSPORT INFORMATION**

There is no type of precaution or restriction on the transport of this type of goods.

Label for transport Does not require  
ADR/RID Does not require  
NºUN Does not require

**15 REGULATORY INFORMATION**

R phrases: Do not proceed  
S phrases: Do not proceed

**16 OTHER INFORMATION**

This document contemplates the analytical and technical specifications of the product. The information contained in this document is based, to our knowledge, on the technical information of the product at present. Attention is drawn to users, among other things, that there is an element of risk associated with the use of the product for different purposes for which it has been foreseen.

This document does not in any way exempt the receiver of the product from the need to fully understand and apply all regulatory requirements. It is the sole responsibility of the receiver to take the precautionary measures necessary for the use of the product.

All information contained in this document is included, only, in order to help the recipient comply with its regulatory obligations regarding the use of hazardous materials.

The present list of information must not be considered as exhaustive, nor does it exempt the recipient from taking other precautions, described in documents that are not mentioned herein, regarding the storage and use of the product, over which the receiver is the only responsible person.