

MATERIAL SAFETY DATA SHEET

(according to CE-law 91/155/CEE – D.M. del 28/01/92)

Name of the product: **COLOURED GLASS RODS**

English version: 1/1

Stated at: 24/05/10

1) IDENTIFICATION OF THE PRODUCT AND OF THE PRODUCER:

Product: GLASS ROD

Producer: EFFETRE MURANO s.r.l.
Fondamenta S. Giovanni dei Battuti n° 4/A
30141 MURANO (VE)
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2) GLASS – COMPOSITION, informations concerning minerals:

Soda-Lime-glass of a medium composition:

| | | |
|--------------------|-----------|---|
| SILICE | 50 ÷ 60 | % |
| SODA | 18 ÷ 22 | % |
| CALCE | 4 ÷ 9 | % |
| CRIOLITE | 2,5 ÷ 4,5 | % |
| POTASSIO CARBONATO | 2 ÷ 3,5 | % |
| POTASSIO NITRATO | 1 ÷ 2,5 | % |
| BORACE PENTAIDRATO | 0,8 ÷ 1,5 | % |
| NITRATO DI SODIO | 0,8 ÷ 1,5 | % |

OSSIDI (ossido di ferro – antimonio triossido – neodimio carbonato – selenio triossido – arsenico -rame ossido – cobalto ossido – solfuro di cadmio – manganese biossido – cromo ossido – potassio bicromato) 0,1 ÷ 0,4 %

Colouring agents are used in the smallest possible quantities and can be traced by chemical analysis . During the melting process the colouring agents are modified and bound to the base glass and can therefore not be solved out of glass by heat or mechanical stress; they own their original characteristics anymore.

3) HAZARDS IDENTIFICATION:

Stable, inert material

4) FIRST AID INSTRUCTIONS:

In case of skin cuts by the glass: treat as any other cut and contact your doctor if necessary.

In case of glass dust in the eyes: wash out with plenty of water, contact your doctor if necessary.

In case of glass dust in the skin: wash out with plenty of water, contact your doctor if necessary.

5) FIRE AND EXPLOSION:

Flash Point: Nonflammable

Extinguishing Means: Not applicable

Fire Fighting Procedures: Not applicable

Fire & Explosion Hazards: Not applicable

6) ACCIDENTAL RELEASE:

In case of accidental release of the material use the usual handling procedures to remove the material, no Spill & Leak Procedures are needed. In case of powder and chips remove avoiding raising.

7) HANDLING AND STORAGE:

Handling : avoid touching cutting edges

Storage: store the cane in heavy build containers in a dry and ventilated place

Stocking temperature: room temperature.

Sensible against umid environment.

8) PERSONAL PROTECTION INFORMATION:

Handling: Usual handling of the cane will not cause evaporating or cause dust.

Hand or machine cutting or crushing procedures may cause dust having amorphous silica and other materials. It is therefore convenient to ventilate the workspace so that the limit of maximum exposure of dust (10mg/m³) is not reached.

Eye protection: use safety glasses

Hand protection: use working gloves

Foot protection: use safety shoes

Dust protection: use dust mask protection against anorganic dust if dust level is superior 10mg/m³

9) CHEMICAL AND PHYSICAL CHARACTERISTICS:

Aesthetics: transparent/translucid

Odor: odorless.

Density: 2,5 g./m³.

Melting point: > 1.400° C.

Steam pressure: 0 hPa a 20° C.
Solubility: not soluble

10) **STABILITY AND REACTIVITY:**

Stability: constant
Incompatibility: fluoride acid and strong alkali
Polymerization: none.
Particular conditions: none.
Products from decomposition: none, only possible at temperature superior 1500 Celsius.

11) **TOXICOLOGICAL INFORMATIONS:**

None.

12) **ENVIRONMENTAL INFORMATIONS:**

Inorganic product, inert product, no environmental risks.

13) **DISPOSAL CONSIDERATIONS:**

The glass leftover from productions can be reused in the melting process if it is sorted by colour, and it is convenient to stock it in appropriate holders; the glass can be disposed in dumps together with urban garbages, according to your local disposal regulations.

14) **TRANSPORT CONSIDERATIONS:**

Transport means have to ensure fragments containing.

15) **REGULATIONS INFORMATIONS:**

Labelling/marketing: not required.

16) **OTHER INFORMATIONS:**

These informations are according our best current knowledge. Their aim is to describe the products from concerning safety, and not to describe the specific properties of the products.