

## SAFETY DATA SHEET

drawn up in compliance with Regulation (EC) No. 1907/2006

### ZEOLITE CHABASITE C20

Revision of 3/12/2020

#### 1 PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product name**  
Zeolite Chabasite C20
- 1.2 Relevant identified uses of the product and uses advised against**  
Professional use.  
Nursery gardening, adsorbent, wastewater filtration
- 1.3 Details of the supplier of the safety data sheet**  
**Europomice srl**  
20124 Milano - Via Napo Torriani, 1  
Tel.: 02 - 66981283 / 66981471 Fax: 02 – 6693582  
Tel. Sales Office: 0564 – 616041 Fax. : 0564 – 614147  
e-mail of the competent person responsible for the Safety Data Sheet: [l.saino@europomice.it](mailto:l.saino@europomice.it)
- 1.4 Emergency telephone numbers**
- |   |                 |
|---|-----------------|
| Osp. Niguarda Ca' Granda (Milano):                      | +3902.66101029  |
| Osp. Pediatrico Bambino Gesù (Roma):                    | +39 06.68593726 |
| Osp. Univ. Foggia (Foggia):                             | +39 0881.732326 |
| Osp. A. Cardarelli (Napoli):                            | +39 081.7472870 |
| Policlinico Umberto I (Roma):                           | +39 06.49978000 |
| Policlinico A. Gemelli (Roma):                          | +39 06.3054343  |
| Osp. Careggi U.O. Tossicologia (Firenze):               | +39 055.7947819 |
| Centro nazionale di informazione tossicologica (Pavia): | +39 0382.24444  |
| Az. Osp. Papa Giovanni XXII (Bergamo):                  | 800883300       |

#### 2 HAZARD(s) IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008/EC and subsequent amendments  
Hazard classification and indication: none

**2.2 Label elements**

Hazard pictograms: none  
Signal words: none  
Hazard statements: none  
Precautionary statements: none

**2.3 Other hazards**

The product does not contain any PTB or vPvB in percentage greater than 0.1%

**3 COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

N/A

**3.2 Mixtures**

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

Components	Brute Formula	CAS	EINECS No.	Content
Amorphous silicon dioxide (SiO <sub>2</sub> ) and silicate minerals of Na, K, Ca, Mg	-----	-----	-----	100% w/w

*Exempt from registration: mineral not chemically modified- Annex V, point 7 of Reg. (EC) 1907/2006*

**4 FIRST AID MEASURES****4.1 Description of first aid measures****General advice**

The product is not hazardous. If skin irritation occurs, seek advice of a dermatologist.

**Eye contact**

No specific measure required. In case of contact with dusts, immediately flush eyes with plenty of drinking water, seek medical attention.

**Skin contact**

No specific measure required. Wash with soap and water.

**Inhalation**

No specific measure required, ensure adequate ventilation.

**Ingestion**

Wash out mouth with water and give plenty of water to drink. Seek medical attention if necessary.

**4.2 Most important symptoms and effects, both acute and delayed**

Specific information or symptoms and effects are unknown.

- 4.3 Indication of any immediate medical attention and special treatment needed**  
No need. If you contact a doctor, bring this document with you.

## **5 FIRE-FIGHTING MEASURES**

- 5.1 Extinguishing media**  
The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
- 5.2 Special hazards arising from the substance or mixture**  
None. The product is non-combustible and non-explosive. It will not facilitate or sustain the combustion of other materials.
- 5.3 Advice for firefighters**  
No specific recommendation.

## **6 ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with eyes and skin, wear protective clothing, see sections 7 and 8.
- 6.2 Environmental precautions**  
Do not release to sewer, surface or ground water.
- 6.3 Methods and materials for containment and cleaning up**  
If possible, pick up the product mechanically in a dry way, e.g. with a vacuum suction unit.
- 6.4 References to other sections**  
Further information in sections 8 and 13.

## **7 HANDLING AND STORAGE**

- 7.1 Precautions for safe handling**  
Before handling the product, consult all the other sections of this safety data sheet.
- 7.2 Conditions for safe storage, including any incompatibilities**  
No special storage requirements.
- 7.3 Specific end use(s)**  
Nursery gardening, adsorbent, wastewater filtration – see section 1.2.

## **8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Control parameters**  
In the risk assessment process, it is recommended to consider the professional exposure limit values laid down by the ACGIH for inert particulates not otherwise classified (PNOC respirable fraction: 3 mg/m<sup>3</sup>; PNOC inhalable fraction: 10 mg/m<sup>3</sup>).  
If these limits are exceeded, it is recommended to use a P type filter, the class (1, 2 or 3) of which must be chosen according to the result of the risk assessment.

### **8.2 Exposure controls / personal protection**

#### **General protection measures**

HAND PROTECTION: none required.

SKIN PROTECTION: none required.

EYE PROTECTION: none required.

RESPIRATORY PROTECTION: it is recommended to use a P type filter face mask, the class (1, 2 or 3) and actual need of which must be defined according to the result of the risk assessment (ref. standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS: the emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Solid, in granules
Colour	Grey – pale yellow
Odour	odourless
Odour threshold	Not available
pH	7 – 8 (@ 20°C)
Melting point/freezing point	Not available
Initial boiling point	N/A
<i>Boiling range</i>	Not available
Flash point	N/A
Evaporation rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	0.8 – 1.0 g/cm <sup>3</sup>
Solubility	Insoluble
Partition coefficient: n-octano/water	Not available
Anto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

### 9.2 Other information

None

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use

### 10.2 Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4 Conditions to avoid

None

**10.5 Incompatible materials**

None known

**10.6 Hazardous decomposition products**

None

## **11 TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

Metabolism, toxicokinetics, mechanism of action and other information	Information not available
Information on likely routes of exposure	Information not available
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Information not available
Interactive effects	Information not available
<b>ACUTE TOXICITY</b>	
LC50 (Inhalation) of the mixture:	Not classified (no significant component)
LD50 (Oral) of the mixture:	Not classified (no significant component)
LD50 (Dermal) of the mixture:	Not classified (no significant component)
<b>SKIN CORROSION/IRRITATION</b>	Does not meet the classification criteria for this hazard class
<b>SERIOUS EYE DAMAGE/IRRITATION</b>	Does not meet the classification criteria for this hazard class
<b>RESPIRATORY OR SKIN SENSITISATION</b>	Does not meet the classification criteria for this hazard class
<b>GERM CELL MUTAGENICITY</b>	Does not meet the classification criteria for this hazard class
<b>CARCINOGENICITY</b>	Does not meet the classification criteria for this hazard class
<b>REPRODUCTIVE TOXICITY</b>	Does not meet the classification criteria for this hazard class
<b>SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE</b>	Does not meet the classification criteria for this hazard class
<b>SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE</b>	Does not meet the classification criteria for this hazard class
<b>ASPIRATION HAZARD</b>	Does not meet the classification criteria for this hazard class

## **12 ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

Not hazardous for the environment

### **12.2 Persistence and degradability**

The product is an inorganic material and presents no risk of degradability

### **12.3 Bioaccumulative potential**

The product is an inorganic material and presents no risk of bioaccumulation

### **12.4 Mobility in soil**

The product is an inorganic material and presents no risk of mobility

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%

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- 12.6 Other adverse effects**  
Information not available

## **13 DISPOSAL CONSIDERATIONS**

- 13.1 Waste treatment methods**  
Do not release in sewers or surface waterways.  
Disposal must be performed in compliance with national regulations.  
Dispose with CER 17 05 04 code. Non contaminated packaging may be recycled.

## **14 TRANSPORT INFORMATION**

The product does not fall within any hazard class for the transport of goods (IMDG, ADR, RID, IACO/IATA)

- 14.1 UN number**  
Not applicable
- 14.2 UN proper shipping name**  
Not applicable
- 14.3 Transport hazard class(es)**  
Not applicable
- 14.4 Packaging group**  
Not applicable
- 14.5 Environmental hazards**  
Not applicable
- 14.6 Special precautions for users**  
Not applicable
- 14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code**  
Not applicable

## **15 REGULATORY INFORMATION**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance**  
This Safety Data Sheet is in compliance with EC Regulation 1907/2006 – (REACH) and subsequent amendments  
**National legislation:**  
**Italy**  
Legislative decree no. 81/2008 and subsequent amendments and integrations  
The user of the product must apply the technical and organizational measures set forth in the chemical risk assessment provided in the decree. As regards the choice of the Personal Protective Equipment, see section 8.
- 15.2 Chemical safety assessment**  
No chemical safety assessment has been carried out.

## **16 OTHER INFORMATION**

The data and information contained in this data sheet are based on the knowledge available on the date of publication. The company waives all liability for damages to persons or things which may arise from a use of the substance other than that for which it was intended. The data sheet does not replace, but integrates, the texts or rules that govern the user's activity. The user is fully liable for the precautions necessary for the use that will be made of the product. It is understood that the user must define safety measures consistent with the legislation applicable to its activities.

Written questions:

For further information please contact our technical department.

**16.1 Indication of changes**

This Safety Data Sheet has been changed to implement the following provisions:

- Regulation (EC) 1907/2006 (REACH)
- Regulation (EC) 1272/2008 (CLP)

**16.2 Abbreviations and acronyms**

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Agreement on the transport of Dangerous goods by Road

LD50: median lethal dose

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

PBT: Persistent, bioaccumulative and toxic

PNOC: Particulates Not Otherwise Classified

vPvB: Very persistent, very bioaccumulative

RID: Regulations on the International transport of Dangerous goods by Rail

STOT: Specific Target Organ Toxicity

**End of the Product Safety Data Sheet**