Safety data sheet (SDS) in accordance with Reg. 1907/2006/CE - 830/2015/CE

PUMICE Revision date: 11/11/2015

1 Identification of the product and the company

1.1 Product identifier

PUMICE – VOLCANIC INERT
Trade names: DRY PUMICE 0-3000µ, 0-45 µ, 0-100 µ, 100-850 µ, 850-3000 µ
Naturally effusive magmatic rocks

1.2 Relevant identified uses of the mixture and uses advised against

Lightweight aggregate for mortar, concrete and pre-mixed concrete for construction, adsorbent and filtering for industrial oils, cleaning of surfaces in general, light abrasive and used in applications of green building, thermal and acoustic insulation.
Identified uses: industrials and professionals. No uses advised against

1.3 Details of the supplier of the data sheet
EUROPOMICE srl Single Share Holder I- 20124 Milano, Via Napo Torriani 1
Tel:+39(0)2-66981283, Tel:+39(0)2-669814713, Fax:+39(0)2-6693582, Tel. sales department: +39(0)564-616041 fax sales department: +39(0)564-614147
e-mail of the responsible person: l.saino@europomic e.it

1.4 Emergency telephone number
+39(0)2-66981283 (available only available during office hours)
European Emergency Call: 112

2 Hazard identification

2.1 Classification of the substance on ingredients
This substance is not classified as dangerous according to 67/548/EEC.

2.2 Label elements
This substance is not labelled according Regulation (EC) n. 1272/2008 [CLP]

2.3 Other hazards
No special remarkable hazards.

3 Composition / Information on ingredient

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>formula</th>
<th>CAS</th>
<th>N° EINECS</th>
<th>purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>M=Al, Ca, Mg + other minor metal oxides, with bound amorphous silica (SiO₂)</td>
<td>MₓOᵧ •SiO₂</td>
<td>1332-09-08</td>
<td>310-127-6</td>
<td>&gt;99% w/w</td>
</tr>
</tbody>
</table>

Minerals occurring in nature and not chemically modified are listed in Annex V of Regulation EC n. 1907/2006 and are thus exempt from REACH registration

4 First aid measures

4.1 Description of first measures
General notes
No specific measures required; in case of contact with dust wash immediately with plenty of water and/or specific and appropriate eyes lavender, consult a doctor

After eye contact
No specific measures required

After skin contact
No specific measures required

After inhalation
No specific measures required

After ingestion
Rinse the mouth with water and drink plenty of water. Consult a doctor in necessary.

4.2 Most important symptoms and effects, both acute and delayed
No specific symptoms or effects have been reported

4.3 Identification of any immediate medical attention and special treatment needed
Not applicable. Bring this document if you contact a doctor
5 **Firefight measures**

5.1 **Extinguishing media**
Non combustible. Use extinguishing media appropriate for surrounding fire.

5.2 **Special hazards arising from the product**
The products are fire resistant, but packaging may burn.

5.3 **Advice for fire-fighters**
Product itself is not combustible and is not oxidizing. In the event of a fire may liberate sulfur dioxide. Co-ordinate fire-fighting measures to the fire surroundings. Special protective equipment for fire-fighters: None.

6 **Accidental release measures**

6.1 **Personal precaution, protective equipment and emergency procedures**
Use personal protective equipment. See Sections 7 and 8.

6.2 **Environmental precaution**
Avoid the dispersion of large quantities in the environment.

6.3 **Methods and material for contained and clearing up**
Collect the product by mechanical means and in closed containers, see sections 7 and 13.

6.4 **Reference to other sections**

7 **Handling and storage**

7.1 **Precautions for a safe handling**
No specific measures required.

7.2 **Condition for safe storage, including any compatibilities**
Store the product in dry conditions.

7.3 **Specific end use**
Lightweight aggregate for mortar and pre-mixed concrete for construction, adsorbent and filtering for industrial oils, cleaning of surfaces in general, light abrasive and used in applications of green building, thermal and acoustic insulation – see section 1.2.

8 **Exposure controls / personal protection**

8.1 **Control parameters, occupational exposure limits**

<table>
<thead>
<tr>
<th>State</th>
<th>TWA/8h</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>USA</td>
</tr>
<tr>
<td>Pumice</td>
<td>10 mg/m³ dust, respirable</td>
</tr>
</tbody>
</table>

8.2 **Exposure controls / personal protection**

General protective and hygiene measures
- Do not eat or drink during work. Avoid contact with eyes and skin. Minimise and control dust
- Respiratory protection
  - In case of dust production, use filter mask type P1
- Skin protection
  - Ordinary working clothes
- Eye protection
  - Safety glasses in case of significant dust dispersion

9 **Physical and chemical properties**

9.1 **Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Solid, powder granulate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Grains gray-light yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No odour threshold, odourless</td>
</tr>
<tr>
<td>pH</td>
<td>7 – 8</td>
</tr>
<tr>
<td>Melting point</td>
<td>730 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling rate</td>
<td>Not applicable as under normal atmospheric conditions</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable as is not a liquid</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable as is not a liquid</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not applicable as is a solid which is not combustible</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>Not applicable as is not a flammable gas</td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>Not applicable as is not a flammable gas</td>
</tr>
<tr>
<td>Lower explosive limit</td>
<td>Not applicable as is not a flammable gas</td>
</tr>
<tr>
<td>Upper explosive limit</td>
<td>Not applicable as is not a flammable gas</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bulk density</td>
<td>0.5 – 0.6 gr/cm³</td>
</tr>
</tbody>
</table>
9.2 Other informations

None

10 Stability and reactivity

10.1 Reactivity
Stable under normal storage conditions. No materials to avoid known.

10.2 Chemical stability
Keep dry. Stable under normal storage conditions.

10.3 Possibility of hazardous reactions
None

10.4 Conditions to avoid
Stable if stored in dry conditions

10.5 Incompatible materials
No incompatible materials known

10.6 Hazardous decomposition products
None

11 Toxicological information

11.1 Information on toxicological effects
No toxicological test has been completed on the product itself
Due to the available informations, the product has no toxicological effects

Sensitization
No effect anticipated

12 Ecological information

12.1 Toxicity
No information is available.

12.2 Persistence and degradability
No information is available.

12.3 Bioaccumulative potential
No indication to bioaccumulation potential.
According to experiences this product is inert and not degradable biologically

12.4 Mobility in soil
No water-soluble solid.

12.5 Results of PBT and vPvB assessment
This product does not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects
On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely

13 Disposal considerations

13.1 Waste treatment methods
Do not co-dispose with municipal waste, but dispose at an authorized site in accordance with local Environmental Regulations. In EC use European Waste Code 17 05 04.
Not contaminated packaging can be recycled.

14 Transport information

Not classified as dangerous in terms of transport regulations (IMDG, ADR, RID, IACO/IATA)

14.1 NU number
Not to apply

14.2 NU proper shipping name
Not to apply

14.3 Transport hazard class
Not to apply

14.4 Packing group
Not to apply

14.5 Environmental hazard
14.6 Special precaution for users
Not to apply

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
Not to apply

15 Regulation information

15.1 Safety, health and environment regulations/legation specific for the mixture
This Safety Data Sheet complies with Regulation (EC) 1907/2006 – (REACH) and successive modifications

National Regulations
Italy
Decreto Legislativo n. 81/2008
Users must observe the measures of their own workplace health and safety risk assessment. Regarding personal protection devices, see Section 8

15.2 Chemical safety assessment
No safety assessment has been accomplished on the product itself.

16 Other information
The data and information contained in this document is the result of the knowledge available at the time of publication. The Safety Data Sheet does not replace, but integrates texts or rules that regulate the activity of the user. The user has full responsibility for the precautions that are necessary for the use that will make the product.

The material used as a lightweight aggregate for the production of mortars and concretes is produced in accordance with EN 13055-1.

This SdS refers to the legal requirements in Italy.
Further information can be supplied on request by contacting our technical service.

16.1 List of modify / indication of changes
This Safety data Sheet has been modified to comply with:
- Regulation (EC) 830/2015
- Regulation (EC) 1272/2008

16.2 Abbreviations and Acronyms
TWA: \text{Time Weighted Average}
OSHA: \text{Occupational Safety and Health Standards}
PBT: \text{Persistent, Bioaccumulative, Toxic chemical}
vPvB: \text{very Persistent, very Bioaccumulative chemical}
IMDG: \text{International Maritime Dangerous Goods}
ADR: \text{Agreement on the transport of Dangerous goods by Road}
RID: \text{Regulations on the International transport of Dangerous goods by Rail}
IATA: \text{International Air Transport Association}