

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 0-3000 μ , 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@europomice.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

Ingredient	formula	CAS	N° EINECS	purity
M=Al, Ca, Mg + other minor metal oxides, with bound amorphous silica (SiO ₂)	MxOy •SiO ₂	1332-09-08	310-127-6	>99% w/w

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 appropriates 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 combustibile. 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

Protective measures in section 8. Disposal measures in section 13

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

	State	TWA/8h
Pumice	OSHA USA	10 mg/m ³ dust, respirable

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

<i>Physical state:</i>	Solid, powder granulate
<i>Colour</i>	Grains gray-light yellow
<i>Odour</i>	Odourless
<i>Odour threshold</i>	No odour threshold, odourless
<i>pH</i>	7 – 8
<i>Melting point</i>	730 °C
<i>Boiling point</i>	Not applicable
<i>Boiling rate</i>	Not applicable as under normal atmospheric conditions
<i>Flash point</i>	Not applicable as is not a liquid
<i>Evaporation rate</i>	Not applicable as is not a liquid
<i>Flammability</i>	Not applicable as is a solid which is not combustible
<i>Lower flammability limit</i>	Not applicable as is not a flammable gas
<i>Upper flammability limit</i>	Not applicable as is not a flammable gas
<i>Lower explosive limit</i>	Not applicable as is not a flammable gas
<i>Upper explosive limit</i>	Not applicable as is not a flammable gas
<i>Vapour pressure</i>	Not applicable
<i>Vapour density</i>	Not applicable
<i>Bulk density</i>	0,5 – 0,6 gr/cm ³

<i>Water solubility</i>	Negligible
<i>Partition coefficient n-Octanol/Water</i>	Not applicable as is inorganic product
<i>Auto ignition temperature</i>	Not applicable
<i>decomposition Temperature (°C)</i>	Not applicable
<i>Viscosity</i>	Not applicable as not liquid
<i>Explosive properties</i>	Not explosive
<i>Oxidizing properties</i>	Not oxidizing as does not cause or contribute to the combustion

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. Stabile 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 product is a natural material that is mined, crushed and selected without treatment chemicals and without the addition of chemicals, so it is exempt from registration requirements provided by Regulation EC 987/2008 (Annex II, point 7).

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