



Pumice

- Safety Data Sheet - PUMICE

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1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product name: Pumice Lightweight Aggregates

Complex natural silicate, consisting mainly of amorphous silica (SiO₂) but also containing minor quantities of various metallic oxides.

Product Codes: 7803, 7804, 7807, 7809, 7817

Reviewed: 01/09/18

Details of the supplier of the safety data sheet:

Specialist Aggregates Ltd - Rydal House - Colton Road - Rugeley - WS15 3HF

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization

Constituent	Name	% Occurrence
SiO ₂	Silicon Dioxide	74.55
Al ₂ O ₃	Aluminium Oxide	12.45
K ₂ O	Potassium Oxide	4.50
Na ₂ O	Sodium Oxide	4.00
Fe ₂ O ₃	Ferric Oxide	<2.00
CaO	Calcium Oxide	<2.00
MgO	Magnesium Oxide	<2.00
TiO ₂	Titanium Oxide	<2.00
SO ₃	Sulphur Trioxide	0.20
MnO	Manganese Oxide	0.10
CO ₂	Carbon Dioxide	0.10
FeO	Ferrous Oxide	0.06
P ₂ O ₅	Phosphorous Pent	0.005
H ₂ O+	Combined Water	4.35



3 HANDLING PRECAUTIONS

No hazard has been brought to our attention as a result of the normal industrial use of this product. As with any finely divided inert material, steps should be taken to avoid inhalation of dust. Pumice consists of amorphous silica and does not contain quartz in allotropic crystalline forms such as Cristobalite, Tridymite etc. It is, however, recommended to adhere to the T.L.V. specified by the A.C.G.I.H. and as listed for "Nuisance Particulates" in H.S.E. guidance note EH40.



4 FIRST AID MEASURES

Eye contact: For eyes - wash out thoroughly with water to remove all dust particles.

5 FIREFIGHTING MEASURES

Not Applicable

6 ACCIDENTAL RELEASE MEASURES

SPILLAGE

Sweep up into another container for disposal as inert solid waste.

7 HANDLING AND STORAGE

Store in dry place, handle carefully to avoid raising high concentration of dust in the work area.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective Devices:

Eye wash bottle with clean water. Suitable dust mask if exposed to high dust concentration's. If persistent consider local extraction / ventilation systems to keep concentration in air below 10mg cubic metre-the threshold limit value listed for "Nuisance Particulates" in Health & Safety. Executives Guidance Note EH40 (but not specifically listing Pumice Powder).



9 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC AND PHYSICAL AND CHEMICAL PROPERTIES

Topic	Value
Appearance	Solid
Colour	Grey
Odour	Odourless
Melting Point	1200oc
True Density	2.40 g/cm3
Bulk Density	0.41 - 0.76 g/cm3
Viscosity	Not Applicable
Solubility in water	Insoluble in water
PH Value	7.5 - 8.0
Flash Point	Not Applicable
Ignition Point	Not Applicable
Explosive Limit	Not Applicable
Refractive Index	1.5
Hardness	5.5 (mohs)



10 STABILITY AND REACTIVITY

Pumice is an inert mineral, insoluble in water, alkalis and acids (other than Hydrofluoric acids).

11 TOXICOLOGICAL INFORMATION

Non - toxic. Does not cause allergic or narcotic reaction. Lead & asbestos totally absent.

12 ECOLOGICAL INFORMATION

Natural, inert material. Is not a pollutant.



13 WASTE DISPOSAL

As inert solid waste.



14 TRANSPORTATION

The transportation of Pumice is not classified as hazardous. The product is packed in polypropylene sacks with an internal polythene lining and machine sealed. Alternatively packed in paper valve sacks.

15 LEGISLATION

CAS N. 1332-09-8

EH40 - Occupational Exposure Limits

EH44 - Dust: General Principles of Protection

No relevant EINECS No. due to EU legislation 79/831, 6th amendment 67/548/EEC included in heading "substances recurrent in nature".



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