

The Soap Kitchen

Unit 2e Hatchmoor Ind/Est, Torrington, EX38 7HP

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Material Safety Data Sheet – Volcanic Alum Powder

General Information

Item Name: Potassium Alum, Alunite, Alum Stone powder.

INCI: Aluminium potassium bis(sulphate)

Chemical Formula: $KAl_3(SO_4)_2(OH)_6$

Company's Address: The Lodge, 21 Knowsley Road, Norwich, Norfolk, NR3 4PR

Telephone : 0044 (0) 1603 474516

Date MSDS Prepared: April, 2008

Ingredients/Identity Information

Ingredient: Alunite minerals salt of Volcanic formation

CAS Number: 10043-67-1/7784-24-9

Physical/Chemical Characteristics

Appearance and Odor: Granular white powder, odourless.

Specific Gravity: 2.7-2.8

Evaporation Rate: N/A

Solubility in Water: Soluble in water and weak acids.

Percent Volatiles by Volume: 0 %

pH: 5.8

Melting point: 92.5°C

Hardness: 2

Fire and Explosion Hazard Data

Flash Point: Generally considered inflammable.

Lower Explosive Limit: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Reactivity Data

Conditions to Avoid (Stability): Humidity. Alum is very hygroscopic.

Materials to Avoid: Avoid contact with surrounding goods.

Hazardous Decomposition Products: None (biodegradable)

Can Hazardous Polymerization Occur: No

Protection Data

EYES: Flush with plenty of water for about 15 minutes. Seek medical care if symptoms persist.

Skin contact: Generally recognized as safe.

Precautions for Safe Handling and Use

Steps if material is released/spill: Scoop up powder. Wash and rinse area.

Waste disposal method: MAINS DRAINAGE, or LANDFILL

Precautions-Handling/Storing: Alum is hygroscopic. Store in a dry and well ventilated area in a closed container. Do not allow the Alum packet to come into contact with other goods or delicate surfaces.

Keep Alum away from strong smelling substances.

Control Measures

Respiratory Protection: Use dust mask or respirator

Ventilation: Provide adequate ventilation

Protective Gloves: Type as required for task

Eye Protection: Safety goggles

Other Protective Equipment: As required to prevent prolonged contact

Occupational Exposure limit: Not determined.

Carcinogen: Not determined.

Transportation Data

Ship as a foodstuff, not to be loaded with incompatible materials including poisons.