



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.