

VITAX SAFETY INFORMATION SHEET

IDENTIFICATION OF PREPARATION **SULPHATE OF AMMONIA**

Packaging: 1.25 & **2.5 kg** cardboard carton, 25 kg polyethylene sacks.

AND COMPANY

Vitax Ltd, Owen Street, Coalville LE67 3DE Tel: 01530 510060

COMPOSITION

Soluble powder containing:

INGREDIENT	%w/w	CLASSIFICATION	CAS NO	EC NO
ammonium sulphate	99	n/a	7783-20-2	231-984-1

HAZARD IDENTIFICATION

May cause irritation to eyes, skin and respiratory system.

FIRST AID MEASURES

Accidental over exposure may result in the following symptoms:-

Eye Contact - may cause irritation.

Skin Contact - repeated and/or prolonged contact may cause irritation.

Ingestion - can be harmful if swallowed in quantity causing irritation of gastro intestinal tract leading to nausea, vomiting and diarrhoea.

Inhalation - high concentration of dust may be irritating to trachea and lungs.

Additional medical guidance is available to doctors from the National Poisons Information Service.

Eye Contact - irrigate with water thoroughly and seek medical advice.

Skin Contact - wash with soap and water. Remove and wash contaminated clothing.

Ingestion - rinse out mouth with plenty of water and seek medical aid immediately.

Inhalation - remove to fresh air and seek medical aid.

FIRE FIGHTING MEASURES

Non flammable

Extinguishing media: If involved in a fire use water spray or dry powder. Contain contaminated run-off

Unsuitable extinguishing media: none.

Exposure hazards: In intense heat, product decomposition will release hazardous ammonia and sulphur oxide fumes.

Special protective equipment: Wear self-contained breathing apparatus in confined spaces.

ACCIDENTAL RELEASE MEASURES

Personal precautions: refer to exposure controls/personal protection and disposal consideration for further details.

Environmental precautions: report to local water plc immediately if spillage enters drains and the Environment Agency or Scottish Environment Protection Agency if it enters surface or ground waters

Spillages: sweep up spills carefully to minimise dust. Transfer to heavy duty plastic bags or drums and keep safe for disposal.

HANDLING & STORAGE

Handling: Do not block stack pallets.

Storage: Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area away from herbicides.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure standards: for ammonium sulphate - none assigned in air: for nuisance dusts, total inhalable 10 mg/m³ (8 hr) respirable 5 mg/m³ (8 hr). Normal good hygiene standards should be observed. Do not eat, drink or smoke when handling spillage. Wear **pvc, natural rubber or nitrile gloves (EN420 & 374)**, overalls, goggles (**EN166**) and dust mask (**EN149**) where dust cannot be adequately controlled by engineering measures.

PHYSICAL & CHEMICAL

Appearance

off white crystal like powder

PROPERTIES

Odour	none
pH(5% solution)	5-6
Boiling point	decomposes at 230 deg C
Melting point	decomposes at 230 deg C
Flash point	none
Flammability	not flammable
Autoflammability	none
Explosivity	none
Oxidizing properties	none
Vapour pressure	not available
Relative density	1.77
Solubility	soluble in water
Other data	none

STABILITY & REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: avoid high temperatures

Materials to avoid: May react with strong oxidizing agents.

Hazardous decomposition products: Decomposes at 230 deg C producing toxic ammonia and sulphur oxide fumes. Stable under normal conditions.

TOXICOLOGICAL INFORMATION

LD50 acute oral rat 3000 mg/kg.

Ingestion of large quantities can cause gastric irritation, nausea, vomiting and diarrhoea.

To the best of our knowledge physical, chemical and toxicological properties have not been fully investigated.

ECOLOGICAL INFORMATION

Ecotoxicity: Practically non-toxic to living resources - 96 hr, LC50 100-1000 mg/l. No evidence of bioaccumulation or tainting of seafood. (IMO Reports & Studies No 35 1989).

Ammonium sulphate is use at rates up to 700 kg/ha to lower soil pH and supply the plant nutrient, nitrogen

DISPOSAL CONSIDERATIONS

Dispose of through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.

TRANSPORT INFORMATION

Not classified as hazardous for transport.

REGULATORY INFORMATION

Not classified as dangerous for supply

OTHER INFORMATION

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required.

Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.

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