
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier****STAY OFF RTU****1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses** Animal repellent**1.3. Details of the supplier of the safety data sheet**

Vitax Ltd, Owen St, Coalville, Leics LE67 3DE

Tel: +44 (0)1530 510060 e mail: info@vitax.co.uk

http://www.vitax.co.uk

1.4. Emergency telephone number

Emergency number: +44 (0)1530 510060 (office hours)

SECTION 2: HAZARD IDENTIFICATION**2.1 Classification according to Regulation (EC) No 1272/2008:**

None

2.2 Label Elements:

Pictogram None

Signal Word None

Hazard Statement: (H-Statement) None

Precautionary Statements: P102 - Keep out of reach of children
P270 - Do not eat, drink or smoke when using this product
P270 - Avoid release to the environment
P314 - Get medical advice/attention if you feel unwell
P101 - If medical advice is needed, have product container or label to hand
P308+P313 - If exposed or concerned: Get medical advice/attention
P307+P311 - If exposed: Call a POISON CENTRE or doctor or physician

Other hazards None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances**

Concentration 83g per L aluminium ammonium sulphate

Synonym: Alum.

Chemical Formula: $(\text{NH}_4)_2\text{Al}_2(\text{SO}_4)_4 \cdot 24\text{H}_2\text{O}$

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures:**

Eyes: In case of contact, flush eyes with plenty of water for at least 15 minutes or use an eye bath.

Skin: After contact with skin wash thoroughly with plenty of soap and water. Launder contaminated clothing before reuse..

Ingestion: Consult a doctor immediately. If medical assistance is not immediately available seek assistance from emergency services.

4.2 Most important symptoms and effects, both acute and delayed:

None

4.3 Indication of any immediate medical attention and special treatment needed:

GUIDE TO DOCTOR: This product contains aluminium ammonium sulphate. Treatment for alum ingestion should be followed ie gastric lavage with care to prevent aspiration. The product is mammalian repellent and patients may exhibit severe distress. There is no known specific antidote and treatment must be supportive and symptomatic

SECTION 5: FIRE FIGHTING MEASURES**5.1 Extinguishing Media:**

Contain the fire with sand or earth or use carbon dioxide, water fog, dry powder or alcohol foam extinguishers prior to the arrival of the Fire Brigade. If a fire occurs adequate protective clothing and self-containing breathing apparatus must be worn. Contain contaminated water – avoid flushing to drains/sewers and freshwater ditches/rivers.

Auto ignition temperature N/A

Flash Point N/A

Polymerisation Does not occur

5.2 Special hazards arising from the substance or mixture:

Hazardous decomposition – thermal oxidative decomposition does not occur at temperatures below 600oC

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5.3 Advice for firefighters: Adequate protective clothing and self-containing breathing apparatus must be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Restrict access to the area as appropriate until clean up operations are complete.

6.2 Environmental precautions: Prevent material from entering drains or waterways. If drains, streams, soil or sewers become contaminated then notify local authority.

6.3 Methods and material for containment and cleaning up:

Spills/Leaks: Contain the spillage with a barrier of earth, sand, sawdust or other similar absorbent material. Sweep up contaminated absorbent material and place in a marked container for disposal by an authorized contractor. Contaminated surfaces May be cleaned using water or a detergent/water mixture. If contamination occurs in a public place or if the product enters a watercourse or sewer the police and water authorities should be informed.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: Normal handling: This product is NOT a scheduled poison. Avoid contact with skin, eyes and clothing. Keep out of reach of children and away from food, drink and animal feeding stuffs.

7.2 Conditions for safe storage, including any incompatibilities:

Storage Recommendation: Product must be stored in the original labelled container, tightly closed in a safe place under lock and key. The product should be protected from frost and is stable in the original packaging for at least 2 years.

7.3. Specific end use(s) Home Garden vertebrate repellent

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters: No occupational exposure limit values have been assigned for the substances in this mixture.

8.2. Exposure controls

Appropriate Engineering Control: Ensure that eye wash stations and safety showers are proximal to the work station location.

Individual Protection Measures: Primary exposure route – ingestion
Symptoms – unpleasant acidic taste

Suitable protective clothing must be worn when handling the concentrate.
All protective clothing, especially the inside of gloves must be washed after use.
For further guidance please see Section 2 of this Data Sheet and the product label.
Exposure limits not determined.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Light yellow/white liquid
Odour:	Distinct chemical odour
Vapour Pressure :	N/A
Vapour Density:	Not Determined
pH:	3.3 (10% solution)
Volatility:	N/A
Flammability:	Not flammable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical Stability: The product is stable under normal storage conditions in its original container. It must be protected from frost. See also Section 3 of this data sheet.

10.3 Possibility of hazardous reactions Hazardous polymerisation is not expected to occur.

10.4 Conditions to avoid: Avoid oxidizing materials

10.5 Incompatible materials: Acidic solution therefore admixture with alkaline materials is not advised

10.6 Hazardous decomposition products None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

LD 50 / LC 50: Acute Oral, rat:

LD50 Rat (male and female) = > 2g / kg;



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Acute Dermal LD50 Rat (male and female) =	>2g / kg.
Dermal Irritation Rabbit –	not irritant
Eye Irritation Rabbit –	slight irritant
Chronic Toxicity –	no adverse effects reported
Potential chronic health effects	
Carcinogenicity:	No adverse effects reported
Mutagenicity:	No adverse effects reported
Reproductive toxicity:	No adverse effects reported

SECTION 12: ECOLOGICAL INFORMATION

Aluminium ammonium sulphate is of low environmental toxicity. -. Due to the inorganic nature of the substance standard biodegradation testing systems are not applicable. It does not demonstrate bio-accumulation

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Method of Disposal:	Dispose of unwanted product and empty packaging in accordance with local regulations. Do not use container for any other purpose.
Hazardous Waste:	The classification of the product may meet the criteria for a hazardous waste

SECTION 14: TRANSPORT INFORMATION

Aluminium ammonium sulphate is not classified	
Proper shipping Name:	N/A
Hazard Class:	N/A
UN Number:	N/A
Packing Group:	N/A
Label Class:	N/A
Transport quantity limitations: Passenger Aircraft/Railcar –	no limit
Cargo Aircraft –	no limit

SECTION 15: REGULATORY INFORMATION

National, state & International Regulations	
European/International Regulations	Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.

SECTION 16: OTHER INFORMATION

Reason for revision:	Replaces version dated June 2009. Revised format- all sections updated.
Disclaimer	This data was accurate to the best of our knowledge at the time of printing of this information but in case of accidental poisoning seek further advice from the National Poisons Information Service 24 hour emergency helpline - + 44 (0) 207 188 0100 Information contained in this Safety Data Sheet is believed to be reliable but no representation; guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the user / distributor to ensure that the information contained in the material safety data sheet is relevant to the product manufactured / handled or sold by him as the case may be. There would be no warranties expressed or implied in the respect of the adequacy of this document for any particular purpose