



SAFETY DATA SHEET

According to UK REACH

BONSAI FEED

Date of Issue: Feb 2004

Revision: 21 Sept 2023

Revision No. 1.1

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

1.1 Product Identifier

BONSAI FEED

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Fertiliser

1.3 Details of the Supplier of the Substance or Mixture

Vitax Ltd, Owen Street, Coalville LE67 3DE

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

1.4 Emergency Contact:

Tel: ++44 (0) 1530 510060 (Office Hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging, GB CLP Regulation

This mixture is not classified as dangerous.

Primary Hazard

None.

2.2 Label Elements

None.

2.3 Other Hazards

Mixture not classed as PBT or vPvB

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s) and Phrases	Concentration [%]
Ammonium sulphate	7783-20-2/ 231-984-1	-	-	1 - <5

The full hazard information for individual components if not displayed in section 2 or 3 are displayed in Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

Remove from source of exposure to fresh air; seek medical attention.

4.1.2 Skin & Eye exposure

Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

Eyes: Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention if symptoms arise or persist.

4.1.3 Ingestion

Do not induce vomiting. Wash out mouth with water and give water to drink.

Obtain medical attention if symptoms persist or develop.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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

Information not available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Special Hazards arising from the substance or mixture

Possible irritant fumes arising from combustion.

5.3 Advice for fire-fighters

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified. Use



SAFETY DATA SHEET

According to UK REACH

BONSAI FEED

Date of Issue: Feb 2004

Revision: 21 Sept 2023

Revision No. 1.1

6.2 Environmental Precautions

personal protective equipment -appropriate coveralls and gloves -eye/face protection -appropriate respirator. Avoid contact with skin and eyes.
Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Sweep avoiding dust into suitably labelled containers. Contact specialist waste disposal contractor.

6.4 Reference to other sections

No reference necessary

SECTION 7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials.

7.3 Specific end use(s)

No specific information available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

Ammonium sulphate

DNEL – Workers:

long-term, inhalation, systemic 11.167 mg/m³

long-term, dermal, systemic 42.667 mg/kg.

DNEL - General population:

DNEL long-term, oral, systemic 6.4 mg/kg

DNEL long-term, inhalation, systemic 1.67 mg/m³

DNEL long-term, dermal, systemic 12.8 mg/kg

PNEC:

PNEC aqua (fresh water) 0.312 mg/L

PNEC aqua (marine water) 0.031 mg/L

PNEC aqua (intermittent, freshwater) 0.53 mg/L

PNEC sediment 0.063 mg/kg

PNEC soil 62.6 mg/kg

PNEC STP (sewage treatment plant) 16.18 mg/L

PNEC sediment (freshwater) 87mg/kg

8.2 Exposure controls

Goggles – Eye Protection: goggles/face shield to BS EN166.

Gloves – BS EN374 – chemical protection.

Respirators – BS approved protection device with P3 filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance;	Colourless/white solid
Odour;	Information not specified
Odour threshold;	Information not specified
pH;	Not applicable.
Melting point/freezing;	Information not specified
Initial boiling point and boiling range;	Information not specified
Flash point;	Information not specified
Evaporation rate;	Information not specified
Flammability (solid, gas);	Information not specified
Upper /lower flammability or explosive limits;	Information not specified
Vapour Pressure;	Information not specified
Vapour density;	Information not specified



SAFETY DATA SHEET

According to UK REACH

BONSAI FEED

Date of Issue: Feb 2004

Revision: 21 Sept 2023

Revision No. 1.1

Specific gravity;	Not applicable.
Solubility (ies);	Information not specified
Partition coefficient: n-octanol/water;	Information not specified
Auto ignition temperature;	Information not specified
Decomposition temperature;	Information not specified

9.2 Other Information

No other relevant information available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	Unknown
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Information not available
10.4 Conditions to avoid	Extremes of temperature
10.5 Incompatible materials	None known
10.6 Hazardous decomposition products	Possible irritant fumes

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects The mixture has not been assessed experimentally for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

Toxicological information on hazardous ingredients:

Ammonium sulphate

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met)
LD50 oral rat	LD50 oral 2840 mg/kg Rat LD50 dermal rat

Product

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation:	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure):	Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure):	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard:	Not classified (Based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Not classified as harmful to the environment.
Ammonium sulphate	
LC50 Fish	36.7 mg/L (96 h) Oncorhynchus mykiss
EC50 Crustacean	433 mg/L (50 h) Daphnia magna
EC50 aquatic plants	Non-applicable
12.2 Persistence and degradability	Information not available
12.3 Bioaccumulative potential	Information not available
Ammonium sulphate	Pow -5.1
12.4 Mobility in soil	Information not available
12.5 Results of PBT and vPvB	Not classified
12.6 Other adverse effects	Information not available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Code	Description	Waste class
06 10 99	wastes not otherwise specified	Non dangerous

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations



SAFETY DATA SHEET

According to UK REACH
BONSAI FEED

Date of Issue: Feb 2004
Revision: 21 Sept 2023
Revision No. 1.1

2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number:	Product is unclassified for transport
14.2 UN proper shipping name:	Product is unclassified for transport
14.3 Transport hazard:	Product is unclassified for transport
14.4 Packing group:	Product is unclassified for transport
14.5 Environmental hazards:	Product is unclassified for transport.
14.6 Special precautions for user:	Not specified
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Applicable for Maritime bulk transport only. Check with carrier.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Substances listed in UK REACH Authorisation List (Annex 14): Not applicable

Substances listed in UK candidate list of substances of very high concern (SVHCs): Disodium octaborate

The Control of Major Accident Hazards Regulations 2015:

Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Non-applicable

Control of Explosive Precursors and Poisons Regulations 2023 on the marketing and use of explosives precursors:

Contains Potassium nitrate. Product under the provisions of Article 6. However, products that contain reportable chemicals not as the main ingredient or in complex mixtures that the extraction of the explosives precursors is technically extremely difficult are not of particular interest.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

15.2 Chemical Safety Assessment CSA not undertaken.

SECTION 16. OTHER INFORMATION

Reasons for revision: Replaces datasheet dated Jan 2016 This safety data sheet has been updated in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. Sections 3.3, 11.1, 12, 13.1, 15.1 & 16 updated.

Other Hazard Information assigned to individual ingredients, but not carried to final classification:

SDS information: -
This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. 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.