

SAFETY DATA SHEET

Date of issue: January 2016
Revised: December 2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- 1.1 Product Identifier:** **BUXUS FEED**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Fertiliser
- 1.3 Details of the supplier of the safety data sheet:**
Vitax Limited, 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)

2. HAZARDS IDENTIFICATION

- 2.1 Classification of mixture or substance:**
Not classified as dangerous.
- 2.2 Label elements:** Not applicable.
- 2.3 Other hazards:** This material is not considered to be persistent, bioaccumulating nor toxic (PBT), very persistent nor very bioaccumulating (vPvB). Contains silica sand. The grain size distribution means that it is not hazardous. However, any respirable crystalline silica dust generated by processing and handling of silica sand may cause health effects. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica should be monitored and controlled.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixtures:** Compound fertiliser containing 10% nitrogen, 7.5% phosphorus pentoxide, 10.2% potassium oxide with 3.0% magnesium oxide.

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s) and phrases	Concentration [%]
Ferrous Sulphate	7782-63-0/ 231-753-5	026-003-01-4 Index number 01-2119513203-57- XXXX REACH registration number	GHS07 Acute Tox. 4 H302: Skin Irrit. 2 H315: Eye Irrit. 2 H319:	< 1%

4. FIRST AID MEASURES

- 4.1 Description of First Aid Measures** **General advice:** When symptoms persist or in all cases of doubt seek medical advice.
Inhalation: Remove victim to fresh air and keep at rest in a comfortable position.
Skin Contact: Wash with plenty of soap and water.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion: Do not induce vomiting. Wash out mouth with water.
- 4.2 Most important symptoms and effects, both acute and delayed**
Skin Contact: unlikely to cause irritation.
Eye Contact: pain and redness.
Ingestion: based on components, product is considered to present little hazard by oral exposure.
Inhalation: unlikely to cause harmful effects under normal handling and use.
- 4.3 Indication of immediate medical attention and special treatment needed:**
none

5. FIRE FIGHTING MEASURES

- Non flammable
- 5.1 Extinguishing Media:** If involved in a fire use water spray or dry powder.
- 5.2 Special hazards arising from substance or mixture:**
In intense heat, product decomposition will release toxic fumes.
- 5.3 Advice for firefighters:** Wear self-contained breathing apparatus in confined spaces. Contain contaminated run-off.



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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Wash hands and exposed skin after handling.
- 6.2 Environmental precautions:** Do not allow to enter drains or sewers.
- 6.3 Methods and material for containment and cleaning up:**
Soak up with absorbent material such as sand and transfer to suitable container.

7. HANDLING & STORAGE

- 7.1 Precautions for Safe Handling:** Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
- 7.2 Conditions for Safe Storage:** Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area. Store clear of foodstuffs and in a separate stack from herbicides.
- 7.3 Specific end use:** Fertiliser.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limits		
Sand (L)		Long-term exposure limit (8-hour TWA): Silica Dust (respirable) WEL 0.1 mg/m ³
Ammonium Sulphate		Long-term exposure limit (8-hour TWA): LTEL 10 mg/m ³
Potassium sulphate	DNEL	Workers - Dermal; Long term systemic effects: 21.3 mg/kg/day
		Workers - Inhalation; Long term systemic effects: 37.6 mg/m ³
	PNEC	- Fresh water; 0,68 mg/l
		- Marine water; 0.068 mg/l
		- Ceiling Limit Value Value: 6,8 mg/l
Ferrous sulphate	DNELs	Worker Acute systemic effects, dermal: (FeSO ₄ *7H ₂ O) 2.8 mg/kg/d
		Acute systemic effects, inhalative: (FeSO ₄ *7H ₂ O) 9.9 mg/m ³
		Systemic long-term effects, dermal: (FeSO ₄ *7H ₂ O) 2.8 mg/kg/d
		Systemic long-term effects, inhalative: (FeSO ₄ *7H ₂ O) 9.9 mg/m ³
	PNECs	Sediment (freshwater): Fe: 49.5 g/kg; FeSO ₄ *7H ₂ O: 246 g/kg dry weight
		Sediment (marine water): Fe: 49.5 g/kg; FeSO ₄ *7H ₂ O: 246 g/kg dry weight

8.2 Exposure Controls:

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified. Primary Hazard considered as handling of concentrate. Gloves: to BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance. Clothing: Coveralls/apron to BS EN465/466/467.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance	off-white powder
Odour	negligible
pH	~5(in aqueous solution)
Boiling point	decomposes above 130°C
Melting point	N/A
Flash point	N/A
Flammability	N/A
Autoflammability	N/A
Explosivity	N/A
Oxidising properties	N/A
Vapour Pressure	N/A
Relative density	1.7
Solubility	partially soluble in water

9.1 Other Information:

none

10. STABILITY & REACTIVITY

- 10.1 Reactivity:** no data
- 10.2 Stability:** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions** Reacts with strong alkalis to release ammonia
- 10.4 Conditions to Avoid:** Store away from heat
- 10.5 Incompatible materials:** strong oxidising agents, alkalis, nitrates and nitrites.
- 10.6 Hazardous Decomposition Products:**

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Decomposes at high temperatures producing toxic nitrogen oxide fumes.

11. TOXICOLOGICAL INFORMATION

	The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3.
Acute toxicity- oral	No specific test data are available.
Acute toxicity- dermal	No specific test data are available.
Acute toxicity- inhalation	No specific test data are available.
Skin corrosion/irritation Human skin model	No specific test data are available.
Serious eye damage/irritation	No specific test data are available.
Respiratory sensitisation	No specific test data are available.
Skin sensitisation	Not determined.
Germ cell mutagenicity	
Genotoxicity - in vitro	This product has no evidence of mutagenic properties.
Carcinogenicity	No specific test data are available.
Reproductive toxicity - fertility	No specific test data are available.
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Eye contact	The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:	not classified as hazardous. Provides nutrients essential to plant growth.
12.2 Persistence and degradability:	no data
12.3 Bioaccumulative potential:	no data
12.4 Mobility in soil:	no data. Can cause nitrate contamination of ground waters if used indiscriminately.
12.5 Results of PBT and vPvB:	not classified.
12.6 Other adverse data:	no data

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:	Disposal route should not permit nitrate contamination of groundwater. Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.
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14. TRANSPORT INFORMATION

	Not classified as hazardous for transport.
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:	No information available
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.

15. REGULATORY INFORMATION

	Not classified as dangerous for supply.
15.1 Safety, health and environmental regulations/legislation specific to this substance:	This substance is classified and labelled according to Directive EC 1272/2008 Classification, Labelling and Packaging and the EC Fertiliser Regulations 2003, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2 Chemical Safety Assessment	not undertaken for this substance

16. OTHER INFORMATION

Reason for Revision	Replaces SDS dated January 2018. Amendment to section 1 & 11, page numbers added.
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Text of the hazard statements mentioned in Section 3:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Liability

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.