

Section 1: Identification of the substance/mixture and of the company undertaking

1.1. Product identifier

Product name: GREENHAZE GROW – PART A

CAS number: N/A (mixture)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture: PC12: Fertilisers.

1.3. Details of the supplier of the Safety Data Sheet

Company name: Growth Technology Ltd
Great Western Way
Taunton
TA2 6BX
United Kingdom

Tel: +44 (0)1823 325291

Email: info@growthtechnology.com

1.4. Emergency telephone number

Emergency Tel: Growth Technology Limited:
+44 (0)1823 325291 (office hours only)

UK National Poisons Information Service
0344 892 0111

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318

Most important adverse effects: Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

SAFETY DATA SHEET
GREENHAZE GROW – PART A

Page: 2

P280: Wear eye protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Ingredients:

CALCIUM NITRATE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
233-332-1	10124-37-5	n/a	Ox. Solid 3: H272; Acute Tox. 4: H302; Eye Dam. 1: H318	3 - 13 %

AMMONIUM NITRATE

229-347-8	6484-52-2	n/a	Ox. Solid 3: H272; Eye irrit. 2: H319	1 – 5 %
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NITRIC ACID

231-714-2	7697-37-2	2.6mg/m3 15min STEL	Ox. Liq. 2: H272; Skin Corr. 1A: H314	<0.9 %
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion: Nausea and stomach pain may occur

Inhalation: Exposure may cause coughing or wheezing.

Dealyed/immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedure

Personal precautions: Turn leaking containers leak-side up to prevent the escape of liquid. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from direct sunlight. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): PC12: Fertilisers.

Section 8: Exposure controls/personal protection

8.1. Control parameters

SAFETY DATA SHEET
GREENHAZE GROW – PART A

NITRIC ACID

Workplace exposure limits:

Respirable Dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 mi. STEL
UK	n/a	2.6 mg/m ³	n/a	n/a

DNEL/PNEC Values

CALCIUM NITRATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	13.9 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	24.5 mg/m ³	Workers	Systemic
DNEL	Oral	8.33 mg/kg bw/day	General Population	Systemic
DNEL	Inhalation	6.3mg/m ³	General Population	Systemic
DNEL	Dermal	8.33 mg/kg bw/day	General Population	Systemic
PNEC	Fresh Water	0.45 mg/l	-	-
PNEC	Marine Water	0.045 mg/l	-	-
PNEC	Microorganisms in sewage treatment	18 mg/l	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Not applicable.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Not applicable.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid	Solubility in water: Miscible in all proportions
Colour: Pale yellow	Autoflammability°C: Not applicable.
Odour: Characteristic odour	Relative density: 1.144
Evaporation rate: No data available	VOC g/l: Not applicable
Oxidising: Non-oxidising (by EC criteria)	Melting point/range°C: Not applicable
Viscosity: Non-viscous	Part.coeff. n-octanol/water: No data available
Boiling point/range °C: ~100	Vapour Pressure: Not applicable
Flammability limits %: lower: Not applicable.	pH: 2.3 – 4.0
upper: Not applicable.	
Flash point°C: Not applicable.	

9.2. Other information

SAFETY DATA SHEET
GREENHAZE GROW – PART A

Page: 5

Other information: No data available

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Ingredients:

CALCIUM NITRATE

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	300 - 2000	mg/kg

AMMONIUM NITRATE

ORAL	RAT	LD50	2950	mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated

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SAFETY DATA SHEET
GREENHAZE GROW – PART A

Page: 6

Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: No symptoms.

Eye contact: There may be irritation and redness. The eyes may water profusely. The vision may become blurred.

Ingestion: Nausea and stomach pain may occur.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery options: Not applicable.

Disposal of packaging: Clean with water. Dispose of as normal industrial waste. May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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SAFETY DATA SHEET
GREENHAZE GROW – PART A

Page: 7

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H272: May intensify fire; oxidiser.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

Legal disclaimer: H319: Causes serious eye irritation

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.