

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

1.1 Product Identifier:

Product name: 20-0-7 + 3% MgO + 3.8% CaO 25% XCU Polyhalite

Product Number: 20-0-7/3/0/25X/CA/GR/20KG

1.2 Relevant identified uses:

Horticultural fertiliser

1.3 Details of the Supplier of SDS:

GreenBest Ltd, Unit 2, The Marsh, Henstridge, Somerset BA8 0TF

Tel: +44 (0) 1963 364788 Fax: +44 (0) 1963 364789

info@greenbest.co.uk

1.4 Emergency Telephone Number:

Tel: +44 (0) 1963 364788 - Normal Hours are 08:00-17:00 Monday-Friday

Tel: +44 (0) 7801 644405 – Out of normal hours only

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification: Not Classified

Health Hazards: Not Classified

Environmental Hazards: Not Classified

2.2 Label Elements

Pictogram: N/A

Signal Word: N/A

Hazard-determining components of labelling: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

2.3 Other Hazards

N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS.

Substance	CAS Number	EC Number	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP).	REACH Registration Number
Urea	57-13-6	200-315-5	Not Classified	Not Classified	N/A
Polyhalite	15278-29-2	604-869-2	Not Classified	Not Classified	N/A

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove from exposure. In severe cases, or if recovery is not rapid or complete seek medical attention.

Skin Contact: Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.

Eye Contact: Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

General Information: None under normal use

4.3 Indication of any immediate medical attention and special treatment needed

General Information: None under normal use

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use CO₂ or water spray. Do not smother with foam or sand.

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5.2 Special Hazards Arising from the Substance or Mixture

May give off fumes if heated to decomposition. Do not breathe fumes

5.3 Advice for firefighters

Irritating substances may be emitted upon thermal combustion so self-contained breathing apparatus will be required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in section 7 "Handling and Storage".

6.2 Environmental precautions

Avoid pollution of sewers and watercourses.

6.3 Methods and material for containment and cleaning up

Contain and sweep up spillages. Place unusable material in labelled containers or plastic bags for disposal. Wet residues are slippery; wash floor to remove traces.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handle in accordance with good hygiene practice. Keep away from foodstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep dry. Packs should be stored closed to avoid moisture ingress. Avoid prolonged contact with metals.

7.3 Specific end uses

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limits: N/A

8.2 Exposure Controls

Protective Equipment: Dust mask with a minimum protection factor of 10 with HSE type approval. Nitrile gloves may be worn for personal hygiene purposes. Wear coverall and rubber boots when dealing with bulk spillages. Face shield (BS2092 G1) if handling dust.

Appropriate Engineering Controls: Ensure adequate ventilation in the work area

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Multi colour 2-3mm granules

Colour: Multi colour

Odour: None

Odour threshold: Not determined

pH value: ~ 5

Initial melting point (°C): 134 C

Initial boiling point and boiling range (°C): N/A

Flash point (°C): N/A

Flammability (solid): Product is non-flammable

Ignition temperature (°C): N/A

Decomposition temperature (°C): N/A

Self-flammability (°C): Product is not self-igniting

Danger of explosion (°C): Product is not explosive

Vapour Pressure: N/A

Bulk density: 1.0-1.12 g/ml

Vapour density: N/A

Evaporation rate: N/A

Solubility in/miscibility with water at 20°C: 624g/L

Partition coefficient (n-octanol/water): N/A

Viscosity dynamic at 20°C:

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

Product has long-term stability under normal conditions.

10.2 Chemical stability

May give off ammonia, isocyanic acid, nitrogen oxides, sulphur oxides when heated above 130°C.

10.3 Possibly hazardous reactions

Avoid mixing with strong oxidising agents, strong acids, strong bases, hypochlorites,

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10.4 Conditions to avoid

aldehydes, allyl chloride.

10.5 Incompatible materials

Mildly corrosive if left in contact with ferrous metals.

10.6 Hazardous decomposition products

No known hazardous decomposition products

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Products not classified. Unlikely to be hazardous under normal conditions of use.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Contains nutrients essential for plant growth.

12.2 Persistence and degradability

Components are biodegradable. Avoid contamination of watercourses.

12.3 Bioaccumulative potential

Does not bioaccumulate

SECTION 13. DISPOSAL CONSIDERATION

Product

Use Local Authority or licensed waste disposal contractor.

Packaging

Treat as industrial waste.

SECTION 14. TRANSPORT INFORMATION

General Information

This product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.1 UN Number

N/A

14.2 UN Proper Shipping Name

N/A

14.3 Transport hazard class(es)

No transport warning sign required

14.4 Packing group

N/A

14.5 Environmental hazards

None

14.6 Special precaution for user

N/A

14.7 Transport in bulk according to Annex II

N/A

MARPOL73/78 and the IBC code.

SECTION 15. REGULATORY INFORMATION

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). 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) (as amended).

15.2 Chemical safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier

SECTION 16. OTHER INFORMATION

Key literature references and sources for data
Further information:

European Chemicals Agency <http://echa.europa.eu/>

The information contained in this leaflet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up-to-date information at the time of publication. Providing our products are handled and used in accordance with the label instructions, they should offer no hazard to health or safety.