

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

1.1 Product identifier

Product name: Crop Improver - Super

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

Relevant uses: as indicated on the label

Inappropriate uses: anyone not included on the label

1.3 Company identification

Global Crop Improvement Company Ltd

20-22 Wenlock Road, London,

N1 7GU, UK

Tel: +44 (0)1480 810137

Email: office@gcic-global.com

1.4 Emergency phone number

+44 (0) 1480 810137

2. HAZARD IDENTIFICATION

2.1 Classification of the substance (For full text of phrases, refer to Section 16) in accordance with Regulation EC 1272/2008 (CLP)

Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Pictograms: not required

Signal Word: not required

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents/container to applicable local, regional, national, and/or international regulations.

2.3 Other hazards

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixture

Identifiers	Name	Concentrate	(*)Classification Reg. (EC) No 1272/2008
Index No: 030-013-00-7 CAS No: 1314-13-2 EC No: 215-222-5 Registration No: 01- 2119463881-32-XXXX	zinc oxide	0.25 - 2.5 %	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

Ingestion

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No known acute or delayed effects from exposure to the product.

4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Recommended extinguishing methods

Suitable

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable

Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the substance or mixture

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions

Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections:

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s)

FERTILISER

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration: 100 %

Uses: FERTILISER

Breathing protection:

PPE: Particle filter mask

Characteristics: «CE» marking, category III. Made of filtering material, it covers nose, mouth and chin.



CEN standards: EN 149

Maintenance: Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it should be replaced after use.

Observations: Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding suitable use of the equipment.

Hand protection:

If the product is handled correctly, no individual protection equipment is necessary.

Eye protection:

PPE: Protective goggles against particle impacts.

Characteristics: «CE» marking, category II. Eye protector against dust and smoke.

CEN standards: EN 165, EN 166, EN 167, EN 168

Maintenance: Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.

Observations: Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.

Skin protection:

PPE: Work footwear.

Characteristics: «CE» marking, category II.

CEN standards: EN ISO 13287, EN 20347

Maintenance: This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.

Observations: Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Microgranules

Colour: Red

Odour: Characteristic

Odour threshold: N.A./N.A.

pH: N.A./N.A.

Melting point: 155°C (p.t.) °C

Boiling Point: N.A./N.A.

Flash point: N.A./N.A.

Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A.

Lower Explosive Limit: N.A./N.A.
 Upper Explosive Limit: N.A./N.A.
 Vapour pressure: N.A./N.A.
 Vapour density: N.A./N.A.
 Relative density: 0.85-0.95 g/ml g/cm³
 Solubility: Insoluble
 Liposolubility: N.A./N.A.
 Hydrosolubility: Insoluble
 Partition coefficient (n-octanol/water): N.A./N.A.
 Auto-ignition temperature: N.A./N.A.
 Decomposition temperature: N.A./N.A.
 Viscosity: N.A./N.A.
 Explosive properties: Not explosive
 Oxidizing properties: Not oxidising

N.A./N.A.= Not Available/Not Applicable due to the nature of the product.

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product does not present hazards by their reactivity.

10.2 Chemical stability

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid

Avoid any improper handling.

10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products

No decomposition if used for the intended uses.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.
 Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Not conclusive data for classification.

b) irritation;

Not conclusive data for classification.

c) corrosivity;

Not conclusive data for classification.

d) sensitisation;

Not conclusive data for classification.

e) repeated dose toxicity;

Based on available data, the classification criteria are not met.

f) carcinogenicity;

Not conclusive data for classification.

g) mutagenicity;

Not conclusive data for classification.

h) toxicity for reproduction;

Not conclusive data for classification.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential

No information is available regarding the bioaccumulation of the substances present.

12.4 Mobility in soil

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects

No information is available about other adverse effects for the environment.

13. DISPOSAL INFORMATION

13.1 Waste treatment methods

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

14. TRANSPORT INFORMATION

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN Number:

Transportation is not dangerous.

14.2 UN proper shipping name:

Transportation is not dangerous.

14.3 Transport hazard class(es):

Transportation is not dangerous.

14.4 Packing group:

Transportation is not dangerous.

14.5 Environmental hazards:

Transportation is not dangerous.

14.6 Special precautions for user

Transportation is not dangerous.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transportation is not dangerous.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates. The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment:

There has been no evaluation a chemical safety assessment of the product.

16. OTHER INFORMATION

Complete text of the H phrases that appear in section 3:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

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