



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

1.1. Product identifier

Product name: Roots Ultra

Product code: ROU

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

For use as a agricultural/ horticultural crop bio-stimulant

1.3. Details of the supplier of the safety data sheet

Intense Nutrients LTD
Unit 12 Lovedere Business Park
Goathurst
Somerset
TA5 2DD
01278 661476

Contact the Safety Officer

Telephone: + 44 (0) 01278 661476

Email: info@intensenutrients.com

1.4. Emergency telephone number

For urgent medical help or advice, contact the NHS by calling 111.

For product-related advice, call + 44 (0) 01278 661476 (0900-1700 Mon-Fri excl. Bank Holidays)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Not classified.

2.2. Label elements

There are no statutory label elements in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

This product does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

This product contains no hazardous substances at levels requiring inclusion within this Safety Data Sheet.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Remove from source of exposure to fresh air. Seek medical attention if symptoms persist or develop.

Skin contact: On contact skin should be washed with mild soap and water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

Eye contact: Irrigate with copious amounts of clean water for at least 10 minutes. Seek medical advice if symptoms persist or develop.

Ingestion: Do not induce vomiting. Wash out mouth with water and give water or milk to drink. Seek medical attention should any discomfort occur.

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

Information not specified.

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

Medical attention should be sought if any irritation or discomfort occurs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

This product is not classified as flammable. Use extinguishing media suitable for surrounding materials, e.g. dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

None specified.

5.3. Advice for firefighters

Cool down containers/equipment exposed to heat with a water spray. Wear complete protective clothing and self-contained breathing apparatus. Contain spread of extinguishing fluids. Note the product is slippery.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid contact with skin and eyes. Remove all sources of ignition. Ventilate area of spill.

6.2. Environmental precautions

No specific precautions are required as the product is not considered to pose an environmental hazard.

6.3. Methods and material for containment and cleaning up

Absorb spill using inert material (sand, dry earth) and transfer to suitably labelled container for disposal.

6.4. Reference to other sections

See section 8 for personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke whilst using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere in original labelled containers out of direct sunlight. Refer to manufacturer for maximum safe stacking height. Do not contaminate water, food or feed by storage or disposal.

7.3. Specific end use(s)

Read label before use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

There are no workplace exposure limits for this product.

8.2. Exposure controls

Engineering Measures: Ensure adequate ventilation.

Respiratory Equipment: Not usually required.

Hand Protection: Gloves: BS EN 374 suitable for basic chemical hazards

Eye Protection: Goggles/face shield to BS EN166.

Skin Protection: Suit/apron: BS EN 465/466/467 with basic chemical splash protection

Hygiene Measures: Keep away from foodstuffs and beverages. Do not eat, drink or smoke whilst using this product. Wash hands thoroughly after handling and launder any contaminated clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Black liquid

Odour: Marine-like

Odour threshold: Information not available

pH: 7.4 – 8.2

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Information not available

Flash point: Information not available

Evaporation rate: Information not available

Flammability: Not flammable

Upper/lower flammability or explosive limits: Not applicable – product not classified as flammable or explosive

Vapour pressure: Information not available

Vapour density: Information not available

Relative density: Information not available

Solubility: Fully soluble in water

Partition coefficient: n-octanol/water: Information not available

Auto-ignition temperature: 550°C

Decomposition temperature: Information not available

Viscosity: Information not available

Explosive properties: Product not classified as explosive

Oxidising properties: Product not classified as oxidising

Specific gravity: 1.10 g/cm³

9.2. Other information

None specified.

SECTION 10: Stability and reactivity

10.1. Reactivity

Product is not reactive under normal circumstances.

10.2. Chemical stability

Stable under normal conditions of storage and use. Oxidants and acids may cause degradation of the product.

10.3. Possibility of hazardous reactions

None specified.

10.4. Conditions to avoid

Oxidants and acids may cause degradation of the product.

10.5. Incompatible materials

Oxidants and acids may cause degradation of the product.

10.6. Hazardous decomposition products

None specified.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:	Not expected to be toxic, however if large quantities are ingested, seek medical advice.
Skin corrosion/irritation:	Product is not classified for skin corrosion or irritation
Serious eye damage/irritation:	Product is not classified for eye damage or irritation
Respiratory or skin sensitisation:	Product is not classified for respiratory or skin sensitisation
STOT-single exposure:	No information specified.
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

SECTION 12: Ecological information

12.1. Toxicity

Product is not classified as hazardous to the environment.

12.2. Persistence and degradability

Information not available.

12.3. Bioaccumulative potential

Due to its biodegradability the product present minimal bioaccumulation potential.

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessment

Product exhibits no PBT or vPvB properties.

12.6. Other adverse effects

No additional adverse effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations via specialised waste contractor.

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 class(es)

Product is unclassified for transport.

14.4. Packing group

Product is unclassified for transport.

14.5. Environmental hazards

Product is not considered harmful to the environment.

14.6. Special precautions for user

No special precautions required.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No specific information required.

SECTION 15: Regulatory information

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

This product is classified and labelled in accordance with 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, and 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).

15.2. Chemical safety assessment

Chemical safety assessment not undertaken for this product.

SECTION 16: Other information

This Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex I of the REACH regulation as amended by Regulation 453/2010.

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