

SAFETY DATA SHEET

XCELL MAXIMA



Section 1: Identification

- 1.1 Product identifier:** Xcell Maxima
Product Description: Soluble Liquid
Product Type: Organic Seaweed
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant uses: Fertilizer
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet**
Introlab (Pty) Ltd
12 Oudepont Street
Wellington industrial Park
Wellington
7655
South Africa
Tel: +27 21 864 2145/6
- 1.4 Emergency telephone number:**
Griffon Poison Information Centre
+27 82 446 8946 (24 Hour Poisoning Emergency Helpline)

Section 2: Hazardous Identification

- 2.1 Classification of the substance or mixture**
CLP Regulation (EC) no 1272/2008:
Not classified
- 2.2 Label elements**
CLP Regulation (EC) no 1272/2008:
- Hazard pictogram(s):** None
Signal word: None
Hazardous statement(s): Non-Hazardous



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Precautionary Statement(s):

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children.

P103 – read label before use.

P501 – Dispose of the contents/containers in accordance with the current legislation on waste treatment.

2.3 Other hazards: Non-applicable

Section 3: Composition / Information on Ingredients

3.1 Substance:

Ecklonia Maxima 100%

3.2 Mixture:

Chemical description: Fertiliser based on seaweed

Components: Components contained in the mixture is not classified as hazardous

Section 4: First Aid Measures

4.1 Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Do NOT give mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Keep person at rest and warm. Treat symptomatically and supportively as and when required. Obtain medical advice if necessary.

By skin contact:

Remove any contaminated clothing. Wash skin with soap or mild detergent and water. Get medical attention if irritation develops or persists. Wash clothing before re-use.

By eye contact:

Immediately flush eyes with lukewarm water or saline solution for at least 15 minutes, lifting lower and upper eyelids occasionally. Check for and remove any contact lenses after 5 minutes. Get medical attention if necessary.

By ingestion / aspiration:

Have victim rinse mouth thoroughly with water. Give water to dilute the material if victim is alert and not convulsing. Induce vomiting immediately as directed by medical personnel. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits, rinse mouth and administer more water. Never give anything by mouth to an unconscious person. Qualified medical personnel should perform administration of oxygen. Seek medical advice if necessary.

4.2 Most important symptoms and effects, both acute and delayed: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: None.

Specific treatments: Treat symptomatically.

Section 5: Fire Fighting Measures

5.1 Fire Extinguishing Media

Suitable extinguishing media:

Water spray, water fog, alcohol-resistant foam, carbon dioxide, dry chemical.

Unsuitable extinguishing media:

No information available.

5.2 Special hazards arising from the substance or mixture: No dangerous hazards

5.3 Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Slippery when spilt. Avoid accidents, clean up immediately. Wear appropriate personal protective equipment.

6.2 Environmental precautions: Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up

Spills:

Collect in containers for disposal. Wash contaminated surfaces to remove any residues. Minimize use of water to prevent environmental contamination.

Large Spills:

Prevent spillage or further leakage if it is safe to do so. Contain spillage with sand bags or by other means. Absorb with earth, sand or absorbent material. Dig up heavily contaminated soil. Flush with water to remove any residues. Keep product and wash water out of drains, sewers, ditches and waterways.

6.4 Reference to other sections:

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7: Handling & Storage

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage Minimum Temp.: 5 °C Maximum Temp.: 30 °C Maximum time: 36 Months

B.- General conditions for storage

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5. Keep containers closed when not in use - check regularly for leaks.

7.3 Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

Section 8: Exposure Controls / Personal Protection

8.1 **Control parameters:** No specific occupational exposure limit has been established.

8.2 Exposure controls

Appropriate engineering controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Possible: safety glasses with side- shields

Skin protection

Hand protection:

Protective gloves against minor risks.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. No significant release into the air is expected.

Section 9: Physical and Chemical Properties
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9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Colour:	Green/Brown
Odour:	Characteristic Odour

Volatility:

Boiling Point at atmospheric pressure:	N/A
Vapour pressure at 20 °C:	No significant volatility, aqueous liquid
Vapour pressure at 50 °C:	No significant volatility, aqueous liquid
Evaporation rate 20 °C:	No data available

Product description:

Density at 20 °C:	1.00 ± 0.02
Relative density at 20 °C:	N/A
Dynamic viscosity at 20 °C:	N/A
Kinematic viscosity at 20 °C:	N/A
Kinematic viscosity at 40 °C:	N/A
pH:	4 - 5
Vapour density at 20 °C:	N/A
Partition coefficient n-octanol/water at 20 °C:	N/A
Solubility in water at 20 °C:	N/A
Solubility properties:	N/A
Decomposition temperature:	N/A
Melting point/freezing point:	N/A
Explosive properties:	No explosive properties
Oxidising properties:	N/A

Flammability:

Flash point:	N/A
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Auto-ignition temperature:	N/A
Lower flammability limit:	N/A
Upper flammability limit:	N/A

9.2 Other Information: No additional information.

Section 10: Stability and Reactivity

10.1 Reactivity: Product is stable under normal conditions.

10.2 Chemical stability: Chemically stable under the conditions of storage, handling and use for 2 years.

10.3 Possibility of hazardous reactions: No information available

10.4 Conditions to avoid: No information available

10.5 Incompatible materials: No information available

10.6 Hazardous decomposition products: None

Section 11: Toxicological Information

11.1 Information on toxicological effects: No information available.

Dangerous health implications:

Low ingestion hazard in normal use. Irritate respiratory passages very slightly. Direct contact may cause temporary redness and discomfort.

Section 12: Ecological Information

12.1 Toxicity: No information available.

12.2 Persistence and degradability: No information available.

12.3 Bio accumulative potential: No bioaccumulation potential

12.4 Mobility in soil: No information available.

12.5 Results of PBT and vPvB assessment: No information available.

12.6 Other adverse effects: No information available.

Section 13: Disposal Considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Packaging

Methods of disposal:

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transportation Information

	Land transport (ADR/RID)	Inland waterway transport (AND/ADNR)	Sea Transport (IMDG)	Air Transport (ICAO-TI / IATA- DGR)
14.1 UN Number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing Group	-	-	-	-
14.5 Environmental hazards	-	-	-	-
14.6 Special precautions for user	No data available	No data available	No data available	No data available
14.7 Transport in bulk according to Annex II of Marpol and IBC Code:	No data available	No data available	No data available	No data available

Section 15: Regulatory Information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances

Other legislation:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail

National Environmental Management: Waste Act 59 of 2008.

15.2 Chemical Safety Assessment:

The supplier has not carried out evaluation of chemical safety.

Section 16: Other Information

Legislation related to safety data sheets:

This safety data sheet is GHS aligned

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Relevant P-, H- and EUH-phrases (number and full text)

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

P501 - Dispose of the contents/containers in accordance with the current legislation on waste treatment

Notice to reader

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