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

1.1 Product Identifier:	Cynosa Biostimulant
1.2 Relevant identified uses:	Soluble Plant Biostimulant Preparation for use by professional crop growers
1.3 Details of the Supplier of SDS:	**Maxstim Limited, Elm House, Tanshire Park, Elstead, Surrey. GU8 6LB**
1.4 Emergency Telephone Number:	Tel: +44 (0) 1252 279935 - Normal Hours are 08:00-17:00 Monday-Friday customer.services@maxstim.com

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification: Classification according to Regulation (EC) no 1272/2008

Health Hazards:	Reproductive toxicity	Category 1B	H360FD
	Eye Irritation	Category 2	H319
	Skin corrosion/irritation	Category 1B	H314
Environmental Hazards:	Corrosive to Metal	Category 1	H290

2.2 Label Elements

Pictogram:

Signal Word: Warning

Hazard Statements	H360FD	May damage fertility, may damage the unborn child
	H319	May cause serious eye irritation
	H314	May cause servre skin burn and eye damage
	H335	May cause respiratory inflamation
Precautionary Statements:	P234	Keep only in original container
	P261	Avoid breathing dust/fum/gas/vapours/spray
	P271	Use only outdoors in a well ventilated area
Response:	P281	Use personal protective equipment as required
	P202	Do not handle until all safety precaustions have been read and understood.
	P312	Call poison centre / doctor f you feel unwell
	P390	Absorb spillage to prevent material damage
	P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P304+P340	If inhaled: Remover person to fresh air and keep comfortable for breathing

2.3 Other Hazards: None identified

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances

Hazardous Components		Amount (%)	Classification (Regulation (EC) No 1272/20018) Hazard Class / Hazard Category	Hazard Statements
Disodium Metasilicate Pentahdyrate				
Index-no	014-010-00-8	+/- 5%	Metal Corrosion .1	H290
CAS-No	10213-79-3		Skin Corrision .1B	H314
EC-No	229-912-9		STOT SE3	H335
EU-Reach No	01-2119449811-37-xxxx			

Hazardous Components		Amount (%)	Classification (Regulation (EC) No 1272/20018) Hazard Class / Hazard Category	Hazard Statements
Disodium Tetraborate Decahydrate				
Index-no	005-011-01-1	+/- 3%	Repr .1B	H360FD
CAS-No	1303-96-4		Eye Irritation	H319
EC-No	215-540-4			
EU-Reach No	01-211949-7930-32-xxxx			

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

Symptoms: Causes severe skin burns and eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

General Information: Treatment symptonatically

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use extinguishing media suitable to the surrounding fire conditions

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: Self-contained breathing apparatus may 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	Keep container tightly closed. Avoid contact with skin, eyes and clothing. Do not breathe fumes or vapours. Emergency eye wash stations and emergency showers should be available. Remove all contaminated clothing immediately. Keep away from food, drink and animal feedingstuffs. Smoking, drinking and eating should be prohibited in the application area. Wash hands before breaks and at the end of the day.
7.2 Conditions for safe storage, including any incompatibilities	Suitable materials for containers: HDPE; stainless steel.
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: Suitable gloves to be worn for personal hygiene purposes.
Wear coverall and rubber boots when dealing with bulk spillages.

Appropriate Engineering Controls: Ensure adequate ventilation in the work area

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid solution
Colour:	Brown
Odour:	Treacle like
Odour threshold:	Not determined
pH value:	~ 5
Initial melting point (°C):	N/A
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 ofexplosion (°C):	Product is not explosive
Vapour Pressure:	N/A
Bulk density:	1.20-1.28 g/ml
Vapour density:	N/A
Evaportation rate:	N/A
Solubility in/miscibility with water at 20°C:	N/A
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	Not applicable

10.3 Possibly hazardous reactions	Avoid mixing with strong oxidising agents, strong acids, strong bases, hypochlorites, aldehydes, allyl chloride.
10.4 Conditions to avoid	
10.5 Incompatible materials	
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 MARPOL73/78 and the IBC code.	N/A

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legistlation 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 Assesment	No Chemical Safety Assesment has been carried out for this substance/mixture by the supplier

SECTION 16. OTHER INFORMATION

Key literature references and sources for data	European Chemicals Agency http://echa.europa.eu/
Further information:	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.