

MATERIAL SAFETY DATA SHEET

Commercial name: Samriddhi

Product: Plant Growth Regulator
 Formulator: Neem India Products Pvt. Ltd.,
 Siddhartha Arcade,
 Opp. Holiday Camp, Station Road,
 Aurangabad -431005

SECTION 1.	PRODUCT IDENTIFICATION
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Common Name : Samriddhi , COMPOUND FOR PLANT NUTRITION
Chemical Description : Modified Ascophyllum nodosum marine plant (algae) extraction composed of alginate, protein, fats, carbohydrates, marine salts, and trace elements.
TSCA / CAS No.: This product is a mixture – there is no specific CAS number
Synonym(S): Not pertinent **Molecular Formula:** Not pertinent
UN No.: Not pertinent **Molecular Formula:** Not pertinent
PRODUCT USE : In Agriculture

SECTION 2.	ACTIVE INGREDIENTS
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<u>CHEMICAL NAME</u>	<u>CAS NO</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RQ(LBS)</u>
Seaweed (Plant Origin)	84775-78-0	65.0	NP	NP
Brassinolides (Plant Origin)	72962-43-7	0.5	NP	NP
D.M. Water	7732-18-5	q.s.	NP	NP

NP = Non Pertinent

SECTION 3.	EMERGENCY/HAZARDOUS OVERVIEW
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Brownish Black liquid with mild odor. Non-toxic. non-flammable and non-hazardous. Oxidants and acids will cause degradation. Not a D.O.T. hazardous material.

HEALTH : 0 REACTIVITY : 0 FLAMMABILITY : 0 ENVIRONMENTAL : 0

(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4.

FIRST AID

Eye: Flush immediately with water for at least 15 minutes. Call a physician if eye irritation persists.
 Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.
 Ingestion: If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center if necessary.
 Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5.

FIRE AND EXPLOSION HAZARDS

Flash Point: Non- Flammable
 LEL Flammable limits % v: Non pertinent
 UEL Flammable limits % v: Non pertinent
 Explosive Material: No.
 Flammable Material: No.
 Combustible Material: No.
 Pyrophoric Material: No.
 Corrosive Material: No
 Hazardous Combustion Products No.
 Explosion sensitivity to static electricity: No.
 Hazardous Polymerization: No.
 Auto Ignition Temp Deg C: Non pertinent
 Oxidizer / Organic Peroxide: No
 Other Information : **Non hazardous**
 Extinguishing Media: Does not burn or support combustion. Use appropriate media for surrounding fire.
 Special Firefighting Procedure: Wear positive pressure, self-contained breathing apparatus and goggles. Beware of slippery floors if spillage occurs in wet areas during fire fighting. Contain liquid run off. Avoid smoke inhalation.

SECTION 6.

SPILLS AND LEAKS

Containment: Prevent product spillage from entering drinking water supplies or streams.
 Clean Up: Collect liquid or absorb onto absorbent material and package for disposal.
 Evacuation: Not Necessary

SECTION 7.

STORAGE AND HANDLING

Store: Store in plastic container in a cool, well-ventilated, dry place at temperatures above 40 deg F. Do not store near food or feeds. Do not stake pallets more than two (2) high.
 Transfer Equipment: Transfer product using chemical resistant plastic tanks, pumps, valves, etc
 Work/Hygienic Practices:

Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with soap and water after handling. Wash clothing before reusing.

SECTION 8.	PERSONAL PROTECTIVE EQUIPEMENT
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Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M#8710)
Ventilation:	Recommended but no TLV established.

SECTION 9.	PHYSICAL AND CHEMICAL DATA
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Physical state / Appearance:	Liquid / Brownish black
Odor:	Mild woody odor.
pH:	6.5 -7.5
Vapor Pressure @ 20 deg C:	Not available
Vapor Density (Air =1):	Not available
Boiling point/ Range:	Not available
Melting/ Freezing point:	Not available
Water Solubility at 30 deg C	100% soluble
Specific gravity @ 20 deg C(Water = 1):	1.040 - 1.080
Viscosity	Not available
% Volatile:	NP
Octanol/Water Partition	Not available
Saturate Vapor Concentration:	Not available

SECTION 10.	STABILITY AND REACTIVITY
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Stability:	Stable
Reactivity:	None
Incompatibility:	Strong acids
Hazardous Decomposition Products:	None
Hazardous Polymerization:	None

SECTION 11.	POTENTIAL HEALTH EFFECTS
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Acute Effects:

Eyes:	Non-toxic. May cause slight redness and irritation.
Skin:	Non-toxic. May cause slight irritation.
Ingestion:	Non-toxic. May cause mild nausea.





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Inhalation: None expected. May cause mild irritation of nasal mucous membranes
Sub chronic Effects: Not known
Chronic Effects: Not known

SECTION 12.

ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Not known
Toxicity to Fish and Invertebrates: Not known
Toxicity to Plants: Not known
Toxicity to Birds: Not known
Acute Oral rat: > 5200 mg / kg
Acute Dermal rat: > 2800 mg/ g

SECTION 13.

DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipments wahwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

SECTION 14.

TRANSPORTATION

Department of Transport (D.O.T.): Not Regulated.
International Air Transport Association (IATA): Not Regulated
International Maritime Organization (IMO): Not Regulated

SECTION 15.

REGULATORY INFORMATION

Shipping Name: Not pertinent
Shipping Code / Label: Not pertinent
Hazardous waste ID No: Not pertinent
Uses: In Agriculture

SECTION 16.

DISCLAIMER

The information in this MSDS is believed to be reliable as of the preparation date, but is not warranted as being the final authority in the use of the product and no representation; guarantee or warranties of any kind are made to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the user/distributor to ensure that all information contained in this MSDS is relevant to the product manufactured / handled or sold by him as the case may be. This information does not purport to be legal or medical advice maxEema Biotech Pvt. Ltd makes no warranties, expressed or implied, in respect of the accuracy of this document for any particular purpose



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