



SAFETY DATA SHEET IN ACCORDANCE TO (Chilean Standards) NCh.2245:2015**1. PRODUCT IDENTIFIER AND PRODUCER**

Product name	SEABIO® MIX
Recommended Use	Foliar fertilizer and bioestimulant
Usage restrictions	Not specified in this safety data
Supplier name	COMEXAL SPA
Address	La Capitania N°80, Of 108 - Santiago
Telephone	T : +569 9737 9372
Emergency telephone in Chile	T : +569 5811 2204
Manufacturer	COMEXAL SPA
E-mail address of supplier	ventas@seabiotech.cl

2. HAZARDS IDENTIFICATION

Classification NCh382	Classified as non hazardous according to N.Ch (Chilean Standard) 382:2017
Certification Mark NCh2190	Not applicable
Classification SGA (GHS)	Skin corrosion/Irritation category 1. Serious eye damage /Eye irritation category 1
Pictogram SGA (GHS)	
Specific classification according to Chilean resolution NCH1411/4 -year 2000	
Specific classification according to Chilean resolution N°2.196 year 2000	Not applicable

Specific Mark	Not applicable
Hazard description	<p>P264 Wash thoroughly after handling</p> <p>P280 Wear protective gloves /protective clothing /eye protection/face protection P302 + P352 IF ON SKIN : Wash with plenty of water</p> <p>P332 + P317 if skin irritation occurs : Seek for medical advice</p> <p>P362 + P364 Take off contaminated clothing and wash before reuse</p> <p>P305 + P351 + P338 IF IN EYES : Rinse cautiously with water for several minutes</p> <p>Remove contact lens if present and continue rinsing.</p> <p>P337 + 317 If eye irritation persists; seek for medical advice</p>
Description of specific hazards (Hazard Statements)	<p>H315 Causes skin irritation</p> <p>H319 Cause serious eye damage</p>
Other Hazards	Not applicable

3. COMPOSITION/ COMPONENTS INFORMATION

This product is classified as a mixture. It is not considered as Hazardous according to N.Ch. (Chilean Standard) 382:2017

Common/ generic Name: Marine Seaweed Extract

	Component 1	Component 2
Systematic Chemical Name	Marine seaweed Extract	Boric acid
Common generic Name	Marine seaweed Extract	Boric acid
CAS number	N/A	10043-35-3
Concentration Range	85,5%	10,0%

4. FIRST AID AND PRECAUTIONS

Inhalation	Move the person to fresh air.
Skin contact	Wash with neutral soap and water.
On contact with eyes	Rinse thoroughly with plenty of water for at least 15 minutes (remove contact lens if present).
Ingestion	Rinse mouth with water and afterwards drink plenty of water.
Expected acute effects	No information available.
Expected delayed effects	No information available.
Most important symptoms / effects	Irritant effect on the skin.
Protection for first aid responders / specific notes for the attending physician	Treat symptomatically, wear nitrile gloves and safety goggles. In case of contact, rinse with plenty of water.

5. FIRE – FIGHTING MEASURES

Extinguishing media	Water Spray, dry chemical, carbon dioxide or chemical foam.
Unsuitable extinguishing media	No restrictions described.
Special hazards arising from the substance combustion and thermal degradation	In case of fire, smoke may contain components of the product and may be toxic and/or irritating. Thermal decomposition may release carbon dioxide (CO ₂) and carbon monoxide (CO). Proceed according to the workplace emergency plan, otherwise, follow the instructions below:
Specific extinguished methods	<ul style="list-style-type: none">- Keep personnel away from the fire and isolate the affected area.- Do not take any action unless you are properly trained.- Remove materials from the fire area and apply the recommended extinguishing measures, only if it can be done without risk.
Precautions for firefighters and emergency responders	Avoid contact with the skin and eyes. Its effects are diluted in water. Use protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Spillage	Contain the spill and absorb with appropriate inert material. If the material is uncontaminated, it may be reused.
Personal protective equipment	Use personal protective equipment when handling the spill to avoid direct contact. For further information, refer to section 8 of this SDS, “Exposure Controls/Personal protection.”
Emergency procedures	Proceed according to the site’s emergency response plan. If unavailable, follow the instructions below: <ul style="list-style-type: none">- Isolate the area and evacuate personnel to a designated safe zone.- Prevent the spread of spilled material by building a containment barrier.
Environmental Precautions	Isolate the spill material and avoid contact with sources of water.
Methods and materials for containment and confinement/control	Remove containers from the spilled area. Do not allow to reach sewage or effluent systems. Absorb non-combustible materials such as vermiculite, sand or dry soil. Thoroughly clean the contaminated surface.
Methods and materials for cleaning up, recovering, neutralizing, and final disposal	Clean the material using absorbent cloths, collect it with shovels and place it in properly labeled containers for final disposal: Dilute any remaining residues with water and wash the affected area. Do not dispose of waste into water sources or drainage systems.
Additional disaster prevention measures	Do not dispose of waste into water sources or drainage systems.

7. HANDLING AND STORAGE

Handling should be performed only for adults	Avoiding contact with eyes and skin.
Precautions for safe handling	Use personal protective equipment recommended in section 8. Respiratory protection is not required. Sealed containers may develop internal pressure. Once opened, close tightly and store in an upright position.
Operational and technical measures for exposure prevention	Avoid dropping or damaging containers. Store in an area away from direct sunlight and at ambient temperature to maintain the integrity of containers and lids.
Other precautions	Not applicable.
Conditions for safe storage	Store in a cool place, away from direct sunlight. Keep out of the reach of children and animals and separate from food.
Incompatible substances and mixtures	Do not mix acidic products that may lower the pH of the irrigation tank solution below 6.
Recommended packaging materials	Recyclable high-density polyethylene (HDPE) containers with high molecular weight (HMW) or similar materials.

8. PERSONAL PROTECTION

Maximum available concentration	Not specified
Personal protective Equipment	The use of chemical protective goggles, rubber or nitrile gloves, apron, and waterproof footwear is recommended when handling.
Respiratory Protection	Not required. If desired, respiratory protection meeting current standards may be used.
Hand protection	Rubber or nitrile gloves
Eye protection	Chemical eyes goggles
Skin and body protection	Apron and waterproof footwear is recommended when handling
Engineering controls to reduce exposition	Not applicable

9. PHYSICAL PROPERTIES

Form	Liquid
Color	Greenish-brown liquid with a mild seaweed odor
Concentration	85% seaweed extract
pH at 10%	6.85
Boiling point	Approximately 100°C
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Flammability limits	Not inflammable
Vapor pressure	No information available
Vapor density	No information available
Density	1116.00 g/l
Solubility in water and other solvents	99.9% water solubility

10. STABILITY

Stability	Stable for 3 years, under recommended storage, transport and handling.
Conditions to avoid	Store away from direct sunlight below 0 or above 30°C.
Incompatible materials	Strong oxidizing agents and metals.
Hazardous decomposition products	Not applicable.
Hazardous combustion products	Carbon Dioxide (CO ₂) and Carbon Monoxide (CO).
Intended use and misuse	Compatible with most pesticides. Dilute before performing compatibility test with other products.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (LD50, LC50)	Classified as non-toxic according to GHS. Contains Potassium Hydroxide (CAS 1310-58-3 LD 50 Rats) oral: 333 mg/kg.
Skin corrosion/irritation	May cause severe skin irritation - Category 1.
Serious eye damage/eye irritation	May cause serious eye irritation - Category 1.
Respiratory / skin Sensitization	No information available.
Germ cell mutagenicity (in Vitro)	No information available.
Carcinogenicity	No information available.
Reproductivity toxicity	No information available.
Aspiration Hazard	May cause irritation for aspiration.

12. ECOLOGICAL INFORMATION

Ecotoxicity (EC, IC, LC)	Not classified as hazardous to the aquatic environment under GHS criteria. Contains Potassium Hydroxide (CAS 1310-58-3) CL50: 80 mg/L, Mosquitofish 96 h.
Persistence and degradability	No information available.
Biocumulative potential	No information available.
Mobility in soil	No information available.

13. DISPOSAL CONSIDERATIONS

Recommended and approved methods under Chilean regulation for safe final disposal	Does not classify as hazardous under Chilean regulations Supreme Decree (S.D.) 148. Contaminated absorbents and surplus products must be buried according to local regulations. Do not incinerate containers.
Container disposal	This container is not classified as hazardous waste according to D.S. N°148/2004. Rinse the container thoroughly with water before disposal. The container should be recycled in accordance with local regulations. Do not reuse the container for water or food.

14. TRANSPORT INFORMATION

	LAND	MARITIME	AIR
Regulations	ADR/RID	IMDG	IATA
UN number	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable
Primary Hazard class	Not hazardous	Not hazardous	Not hazardous
Subsidiary Hazard class	Not applicable	Not applicable	Not applicable
Packing group	Not classified	Not classified	Not classified
Environmental hazards	None identified	None identified	None identified

15. REGULATORY INFORMATION

National Regulations	NCh 2245. Of 2015 INN-Chemical Substances - Safety Data Sheets.
	NCh 382. Of 2017 INN - Hazardous Substances; General information.
	NCh 1411/4, Of 2000 INN-Risk Prevention: Safety Signs for Hazard Identification of material.
	NCh. 2190, Of 2003 INN- Transport of Hazardous Substances and Risk identification.
	Exempt Resolution N°408/2016. MINSAL. (Chilean Ministry of Health) – List of Hazardous Substances and Labels for Risk Identification.
	SD (Supreme Decree) N° 18/1982 Certification of quality Standards for Personal Protective Equipment (PPE) for occupational risk protection.
	SD N° 594/2000 Regulation on Basic Environmental and Sanitary Conditions in workplaces.
International Regulations	SD (Supreme Decree) N° 298/1994: Ministry of Transport and Telecommunications Transport of Dangerous Goods on public roads.
	SD N° 43/2015 MINSAL: Regulation on Storage of Hazardous Substances.
	Law N° 20.089 Ministry of Agriculture, National Organic Product Certification system.
	SGS, Safety Management System. RID, International Regulations Concerning the international Carriage of Dangerous Goods by Rail or ADR, Accord europeen relatif au transport international des marchandises dangereuses par route.
	IMDG, International Maritime Dangerous Goods.
Mark on label	IATA, International Air Transport Association.
	REACH, EC regulation, 1907/2007, Registration, Evaluation, Authorization and Restriction of Chemicals.
	(EC) Regulation 1272/2008, On Classification, Labeling and Packaging of Substances and Mixtures.
	GRE2020, Emergency Respond Guide 2020 of Canada, USA and Mexico.
	Not applicable

16. ADDITIONAL INFORMATION

Update Date Safety Data Sheet updated to the new Chilean standard 22415/2015 14-04-2024

Next revision date 3 years from the date of update.

Information sources MINSAL; <https://www.minsal.cl/wp-content/uploads/2016/10/NCh-2245-2015.pdf>
REACH, Regulation for Registration, Evaluation, Authorization and Restriction of
Chemicals substances. December 18th 2006
ECHA, European Chemicals Agency
HSDB, Hazardous Substances Data Bank