

Aquatic Barley Straw Extract SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Chemical Nature:	Extract of Barley Straw		
Trade Name:	BARLEY STRAW EXTRACT		
SUPPLIER:	Aquatic Technologies		
ADDRESS:	41 Yazaki Way Carrum Downs VIC 3201, Australia		
TELEPHONE	+61 3 9071 2442	FAX:	
Substance:	Liquid	Product Use:	Water Treatment
This version issued:	November 2020	Up for revision:	November 2025
In case of Emergency:	13 11 26 – Poisons Information Centre		

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
<ul style="list-style-type: none"> This product is classified as NON-HAZARDOUS according to the criteria of NOHSC Australia The product is classified as NON-HAZARDOUS according to GHS This product is classified as NON-HAZARDOUS according to the criteria of Safe Work Australia 	
GHS – GLOBALLY HARMONISED SYSTEM	
GHS Classification	Not applicable
GHS Pictogram	Not applicable
GHS Signal Word	Not applicable
Hazard Statement(s)	
Not applicable	
Precautionary Statement(s)	
While this material is not classified as hazardous, this SDS contains valuable information relating to safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product. Exposure to any chemical should be kept to a minimum. Skin or eye contact may result in irritation. Always follow safe industrial hygiene practices and wear proper personal protective clothing and equipment when handling chemicals.	
Acute Health Effects may include:	
Ingestion:	Excessive ingestion may cause nausea or diarrhea. Mouth, throat and stomach may become irritated. Rinse and gargle with water. If symptoms persist, seek medical attention or contact poisons control. Swallowing the product in large quantities may cause gastric disturbances
Eye Contact:	May cause irritation. Rinse with water 15 minutes. If symptoms persist, seek medical attention.
Skin Contact:	Prolonged contact may cause irritation to the skin, especially those with dermal allergies to barley. Dermatitis may occur after prolonged and/or repeated exposures. Wash
Inhalation:	Prolonged exposure may cause slight irritation. Move exposed person to fresh air. Rinse mouth and nose with water. Seek medical attention if necessary.
EMERGENCY OVERVIEW	
Colour:	Light Brown
Odour:	Mild
Physical Description:	Liquid
Major Health Hazards:	None known

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:	PEL/TLV
Water	7732-18-5	>30%-70%	not set
Extract of Barley Straw	Proprietary	<30-70%	not set
NOTE:	This is a commercial product which extract ratio of components may vary. Trace quantities of impurities are also likely.		

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons: Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).

First Aid Facilities: Ensure there is access to eye washes and safety showers.

Inhalation: Move victim to fresh air. Obtain medical attention if symptoms occur.

Skin Contact: Wash skin with plenty of water. Seek medical advice (e.g. doctor) if irritation persists for more than 30 minutes.

Eye Contact: If product gets in eyes, wash material from them with running water for 15 minutes, ensuring eyelids are held open. If irritation persists, seek medical advice.

Ingestion: Do NOT induce vomiting. Dilute by drinking water or milk. If vomiting occurs spontaneously, administer more liquids and keep head below hips to prevent aspiration of liquid into the lungs. Never give fluids or induce vomiting if patient is unconscious. Seek medical advice.

Advice to Doctor: Treat symptomatically. Observe signs of sensitisation and treat appropriately if evident.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Non flammable
Extinguishing Media:	None
Flash point:	Non flammable

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	<ul style="list-style-type: none"> • Avoid contact with skin and eyes • Wear PPE • Ensure adequate ventilation
Environmental Precautions:	<ul style="list-style-type: none"> • Do not allow product to enter sewers
Clean up methods:	Small spill – soak up with absorbent material and transfer into suitable container Large spill – wear appropriate PPE. Contain spill and pump into suitable disposal container. If spillage enters waterways, notify appropriate government agencies. Flush and scrub area with detergent and remove residue to prevent slipperiness.
Waste Disposal:	If disposed as shipped is not hazardous waste as specified in 40 CFR 261. Consult state and local officials for proper disposal methods. Observe all local, state and federal regulations.

SECTION 7 – HANDLING AND STORAGE

Handling:	Handle with due care and avoid personal contact. Since emptied containers retain product residues (vapours, liquid and/or solids), all hazard precautions given in this SDS must be observed.
Storage:	Store at normal temperatures and conditions of warehousing. Keep container closed when not in use. Avoid allowing product to freeze.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters	
Occupational Exposure Limits:	Keep away from foodstuff, beverages and feed. Wash hands after product use. Avoid contact with the eyes and skin. Use only in well ventilated areas.
PERSONAL PROTECTION EQUIPMENT (PPE)	
Ventilation:	Local ventilation recommended
Eye Protection:	Not normally required
Skin Protection:	Not normally required. Rubber or neoprene gloves
Protective Material Types:	Rubber, Neoprene
Respirator:	Not normally required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description and Colour:	Light Brown liquid
Odour:	Mild
Boiling Point:	99°C
Freezing / Melting Point:	0°C
Vapour Pressure:	Equivalent to water
Vapour Density:	Equivalent to water
Specific Gravity:	1.07
Water Solubility:	99%
pH:	6.5
Flammable Limits:	Not applicable
Viscosity:	Not available
Evaporation Rate:	Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	Stable at normal temperatures and pressure.
Chemical Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	Avoid contact with heat or heat sources. Acids.
Incompatibilities:	ACIDS: reaction can occur, yielding heat and pressure which can burst an enclosed container. Attacks many reactive metals (aluminium/magnesium/zinc alloys) releasing highly flammable gas (hydrogen) which generates fire or explosion hazards. Reacts slowly with ambient air (particularly carbon dioxide) which may cause certain insoluble salts to form in solutions.
Hazardous Decomposition Products:	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. Acids (especially hydrochloric acid); will generate toxic gas.
Hazardous Reactions:	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

This is a non-toxic, non-pathogenic liquid extract of barley

SECTION 12 – ECOLOGICAL INFORMATION

This is a non-toxic, non-pathogenic liquid extract of barley

SECTION 13 – DISPOSAL CONSIDERATIONS

All recovered materials should be packaged, labelled, transported and disposed or reclaimed in conformance with applicable laws and regulations

SECTION 14 – TRANSPORT INFORMATION**Shipping Name:** AQUATIC BARLEY STRAW EXTRACT for PONDS**Hazard Class:** Not applicable**Packaging Group:** None allocated**SECTION 15 – REGULATORY INFORMATION****Labeling Details**

GHS Classification	NON-HAZARDOUS
CERCLA RQ	Nil
VOC	Nil
SARA 311/312 (Hazard Class – 40 CFR 370.2)	Nil
SARA 313 (Hazard Class – 40 CFR 372.65)	Nil
SARA 313 (Extremely Hazardous Substances)	Nil

SECTION 16 – OTHER INFORMATION**This SDS contains only safety-related information. For other data see product literature****Date of Last Revision**

AT163v2.1-15/12/18

Acronyms

CAS number	Chemical Abstracts Service Registry Number
CERCLA (RQ)	Comprehensive Environmental Response, Compensation, and Liability Act (Reportable Quantity)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
PEL/TLV	Permissible Exposure Limit / Threshold Limit Value
VOC	Volatile Organic Compounds

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)

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