

Section 1 – Identification of the material and supplier

River Stone Aquaculture Innovations Ltd
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Phone: +61 414 687468

Emergency Phone: 13 11 26

Chemical nature: Water solution, water and mineral salts

Trade name: Swift Life

Product use: Organic liquid soil inoculant to neutralize glyphosate, heavy metals and toxins, raw material

Creation date: October 2023

This version issued October 2023 and is valid 5 years from this date
 Poison information centre phone: 13 11 26 NSW Poisons Information Centre
 (from anywhere in Australia) or international equivalent.

Section 2 – Hazards Identification

Statement of hazardous nature

This product is classified as: Not classified as hazardous account to the criteria of SWA.

Not a dangerous good according to Australian dangerous goods (ADG) code, IATA or IMDG/IMSBC criteria.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a dangerous good according to Australian dangerous goods (ADG) code, IATA or IMDG/IMSBC criteria.

UN number: None allocated.

GHS Signal word: NONE. Not hazardous.

Prevention

P102: Keep out of reach of children.

P262: Do not get in eyes.

P281: Use personal protective equipment as required.

Response

P353: Rinse skin or shower with water.

P301+P330+P331: If swallowed: Rinse mouth. Do NOT induce vomiting.

P332+P313: If skin irritation persists get medical advice.

P337+P313: If eye irritation persists get medical advice.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

Storage

P402+P404: Store in a dry place. Store in a closed container.

Disposal

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities if recycling or reclaiming is not possible use a commercial waste disposal service.

Emergency Overview

Physical description and colour: Clear organic green liquid

Odour: Odourless

Major health hazards: no significant risk factors have been found for this product.

Section 3 – Composition/information on ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m3)	STEL (mg/m3)
Fish Excrement	Organic various	<0.5%	2	2
Nonhazardous ingredients		100-200g/L	not set	not set
Water	7732-18-5	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15minutes and should not be repeated more than 4 times per day. There should be at least 60minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 – First Aid Measures**General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia and is available at all time. It would be handy, but not necessary, to have this SDS with you when you call.

Inhalation: First aid is generally required. If in doubt, contact a poisons information centre or a doctor.

Skin contact: Irritation is unlikely. However if irritation does occur, flush with lukewarm, gently flowing water for 5minutes or until chemical is removed.

Eye contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 – Firefighting measures

Fire and explosion hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

This product is likely to decompose only after heating to dryness, followed by further strong heating.

Fire decomposition products from this product are likely to be irritating if inhaled.

Extinguishing media: Not combustible. Use extinguishing media suited to burning material.

Firefighting: If a significant quantity of this product is involved in a fire, call a fire brigade.

Flash point: Does not burn.

Upper flammability limit: Does not burn.

Lower flammability limit: Does not burn.

Auto ignition temperature: Not applicable – does not burn

Flammability class: Does not burn.

Section 6 – Accidental release measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because

of occasional minor contact with this product, it is good practice to wear impermeable glove when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7 – handling and storage

Handling: Keep exposure to this product to a minimum and minimise the quantities kept in work areas. Check section 8 of this SDS for details of personal protective measures and make sure that those measures are followed. The measures detailed below under “Storage” should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Make sure the containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under “incompatibilities” in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging – there may be further storage instructions on the label.

Section 8 – Exposure controls and personal protection

The following Australia Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715

Protective gloves: AS 2161

Occupational protective clothing: AS/NZS 4501 set 2008

Industrial eye protection: AS1336 and AS/NZS 1337

Occupational protective clothing: AS/NZS 2210

SWA Exposure Limits **TWA (mg/m3)** **STEL (mg/m3)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimized.

Eye protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when lengthy skin contact is likely.

Protective material types: There is no specific recommendation for any particular protective material type.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 – Physical and chemical properties

Physical description and colour: Clear, organic green liquid.

Odour: Mild fish excrement odour at a distance of 20mm. Odourless beyond that distance.

Boiling point: Approximately 100°C at 100kPa.

Freezing/melting point: Below 0°C.

Volatiles: Water component.

Vapour pressure: 2.37kPa at 20°C (water vapour pressure).

Vapour density: As of water.

Specific gravity: 1.21

Water solubility: Completely soluble in water

pH: 2.5 to 3.0

Alkalinity: (Total as CaCO₃) 17,700mg/L

Volatility: No data.

Odour threshold: No data.

Evaporation rate: As of water.

Coeff oil/water distribution: No data.

Auto ignition temp: Not applicable – does not burn.

Section 10 – Stability and reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to avoid: Keep containers tightly closed.

Incompatibilities: No particular incompatibilities.

Fire decomposition: This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possible smoke. May form nitrogen and its compounds and under some circumstances, oxides and nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Iron and magnesium compounds. Carbon monoxide poisoning products headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 – Toxicological information

Local effects:

Target organs: There is no data to hand indicating any particular target organs.

Classification of hazardous ingredients

Ingredient risk phrases: No ingredient mentioned in HSIS database is present in this product at hazardous concentrations.

Potential health effects

Inhalation

Short term exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long term exposure: No data for health effects associated with long term inhalation.

Skin contact

Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Long term exposure: No data for health effects associated with long term skin exposure.

Eye contact

Short term exposure: This product may be mildly irritating to eyes but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.

Long term exposure: No data for health effects associated with long term eye exposure.

Ingestion

Short term exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is not harmful. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long term exposure: No data for health effects associated with long term ingestion.

Carcinogen status

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 12 – Ecological information

This product is completely biodegradable. It will not accumulate in the soil or water or cause long term problems. Expected to not be an environmental hazard.

Section 13 – Disposal considerations

Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14 – Transport information

Australia

ADG code: This product is not classified as a dangerous good. No special transport conditions are necessary unless required by other regulations.

Section 15 – Regulatory information

Australia

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 – Other information

This SDS contains only safety-related information. For other data see product literature.

Acronyms

ADG code: Australian code for the transport of dangerous goods by road and rail (7th edition)

AICS: Australian Inventory of chemical substances

SWA: Safe Work Australia, formerly ASCC and NOHSC

CAS number: Chemical Abstracts Service registry number

Hazchem code: Emergency action code of numbers and letters that provide information to emergency services especially firefighters.

IARC: International Agency for research on cancer

NOS: Not otherwise specified

NTP: National Toxicology Program (USA)

SUSMP: Standard for the uniform scheduling of medicines and poisons

UN number: United nations number

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.

Please read all labels carefully before using product.

Australia:

This MSDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets of Hazardous Chemicals – Code of Practice" 2020.