



## SECTION 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

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**Substance:** Water based solution.  
**Trade Name:** Sharp Shooter VitaRich Natural Liquid Plant Food  
**Product Use:** All purpose liquid plant food suitable for most plants.  
**Creation Date:** March, 2003  
**Revision Date:** July, 2015

## Section 2 - Hazards Identification

Based on available information, not classified as hazardous according to criteria of ASCC; NON-HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**Poisons Schedule:** None allocated.

## Section 3 - Composition/Information on Ingredients

Ingredients	Conc,%	Ingredients	Conc,%
Fish Emulsion	10.0%	Potassium : as	
Sea Weed (Kelp) 5.5%	10.0%	Potassium Suphate	
Nitrogen as Phosphates 3.8%	6.8%	As Potasium Chloride	
Phosphates 0.5%		As Fish Emulsion	
As Urea 0.2%	4.2%	As Seaweed	
As Fish Emulsion (K)	2.9% NA%	<b>Total</b>	
As Blood & Bone	1.1%		
<b>Total (N)</b> 0.6%	<b>NA%</b>	Calcium(Ca) as Blood & Bone	

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1.5%	2.1%	As Fish Emulsion	
Phosphorous: 6.0%	3.3%	Sulphur(s) as Sulphates	
As Phosphates 0.02%		Boron (B) As Boric Acid	
As Fish Emulsion	0.7% 0.0005%	MOLYBDENUM (Mo) AS SODIUM	
<b>Total (P)</b>	<b>NA%</b>	Molybdate	
form	0.93%	Essential Trace Elements in Chelated form	
(Max)	Biuret 0.05%		
		<b>TOTAL SOLIDS</b>	<b>58%</b>
Water	to %100		

**Section 4 - First Aid Measures**

**Inhalation:** Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

**Eye Contact:** If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. Seek medical advice.

**Medical attention and special treatment:** Treat symptomatically.

**Section 5 - Fire Fighting Measures**

**Hazards from combustion products:** Non-combustible material. Decomposes on heating emitting toxic fumes including those of ammonia and oxides of nitrogen .

**Precautions for fire fighters and special protective equipment:** Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

**Suitable Extinguishing Media:** Not combustible, however, if material is involved in a fire use: Media applicable to surrounding fire.

**Section 6 - Accidental Release Measures**

**Methods and materials for containment and clean up:** Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers.

**Section 7 - Handling and Storage**

**Conditions for safe storage:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct

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sunlight. Keep containers closed when not in use - check regularly for spills.

**Precautions for safe handling:** Keep out of reach of children.

## Section 8 - Exposure Controls and Personal Protection

**Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission.

**Engineering controls:** Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**Personal Protective Equipment:** No special personal protective equipment required. Wash hands after use. Rubber gloves are recommended if handling often.

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Brown liquid suspension.
<b>Odour:</b>	Fresh organic odour.
<b>Boiling Point:</b>	Approx 100°C at 100kPa
<b>Freezing/Melting Point:</b>	No specific data. Liquid at normal temperatures.
<b>Volatiles:</b>	Water component
<b>Vapour Pressure:</b>	No data.
<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	Approx 1.3
<b>Water Solubility:</b>	Completely soluble.
<b>pH:</b>	No data.
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Coeff Oil/water distribution:</b>	No data

## Section 10 - Stability and Reactivity

**Chemical stability:** Stable under normal conditions of use.

**Conditions to avoid:** Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.

**Incompatible materials:** None known.

**Hazardous decomposition products:** Ammonia. Oxides of nitrogen.

**Hazardous reactions:** None known.

## Section 11 - Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** No adverse effects expected, however, large amounts may cause nausea and vomiting.

**Eye contact:** May be an eye irritant.

**Skin contact:** Contact with skin may result in irritation.

**Inhalation:** Breathing in mists or aerosols may produce respiratory irritation.

**Long Term Effects:** No information available for the product.

**Toxicological Data:** No LD50 data available for the product.

## Section 12 - Ecological Information

This product is biodegradable. It should not offer any significant threat to the environment.



### Section 13 - Disposal Considerations

**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. Please do NOT dispose into sewers or waterways.

### Section 14 - Transport Information

#### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

#### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

#### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

### Section 15 - Regulatory Information

**Classification:** Based on available information, not classified as hazardous according to criteria of ASCC; NONHAZARDOUS SUBSTANCE.

**Poisons Schedule:** None allocated.

### Section 16 - Other Information

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

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS MSDS 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 MSDS 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 MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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