

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Van Iperen Stim Concentrate Liquid**  
 Item Code:  
 Product Use: Used as a fertiliser to supplement a well-balanced crop nutrition program.  
 Restriction of Use: Refer to Section 15  
 New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113  
 Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272  
**Emergency Telephone: 0800 764 766 (National Poison Centre)**  
 Date of SDS Preparation: 14 May 2018

### Section 2. Hazards Identification

**This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ascophyllum Nodosum ext	100	84775-78-0

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.

If on Skin: Wash the affected area with water. Get medical attention if irritation develops.

If Swallowed: Product is not toxic if ingested. On ingestion, plenty of water or milk should be drunk. Should any discomfort occur, medical attention should be sought.

If Inhaled: Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult. In case of lung irritation, first treatment with dexametason aerosol (spray).

## Most important symptoms and effects, both acute and delayed

Symptoms:

<b>Ingestion:</b>	Not applicable.
<b>Inhalation:</b>	Not applicable.
<b>Skin:</b>	Not applicable.
<b>Eyes:</b>	Not applicable.
<b>Chronic:</b>	Not applicable.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	The product is not flammable.
<b>Hazards from decomposition products</b>	None known.
<b>Suitable Extinguishing media</b>	Use appropriate media (water, foam, dry powder or CO <sub>2</sub> ) for surrounding the fire. Note: avoid spills as product is slippery.
<b>Precautions for firefighters and special protective clothing</b>	Product is slippery when wet.
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

### Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. avoid spills as product is slippery.

Spills may be easily cleaned by removing as much product as possible and washing the remaining spill using copious amounts of water. Clean up the product thoroughly as it is slippery.

Dispose according to Local Regulations.

### Section 7. Handling and Storage

#### Precautions for Handling:

- Avoid handling, as this may cause staining.
- Wear PPE as detailed in Section 8.

#### Precautions for Storage:

- Store in a cool place and out of direct sunlight.
- Do not contaminate water, food or feed by storage or disposal.

### Section 8 Exposure Controls / Personal Protection

#### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

#### Engineering Controls

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There are no specific ventilation requirements. Eyewash facilities should be available.

### Personal Protection

<b>Eyes</b>	Eye protection such as safety glasses should be worn when handling due to possible temporary staining.
<b>Hands and Skin</b>	Chemically resistant gloves, e.g. rubber, neoprene, butyl, PVC or nitrile, should be worn to protect against temporary staining.
<b>Respiratory</b>	No specific requirements.
<b>Hygiene</b>	Remove all protective equipment before eating, drinking or smoking, and before entering any 'clean' areas. Hands should be washed immediately after any contact with the product. All protective equipment should be cleaned before removal where practical and before reuse.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Black Liquid
<b>Odour</b>	Marine like
<b>Odour Threshold</b>	Not available
<b>pH</b>	7.4 - 8.2
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure @ 20°C</b>	Not available
<b>Vapour Density</b>	Not available
<b>Bulk Density</b>	1.16 g/cm <sup>3</sup>
<b>Water Solubilities</b>	Fully soluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	550°C
<b>Decomposition Temperature</b>	Not available
<b>Viscosity (cP)</b>	<100 cP
<b>Particle Size</b>	Not available
<b>Mean particle size</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Oxidants and acids may cause degradation of the product.
<b>Incompatible Materials</b>	Oxidants and acids may cause degradation of the product.
<b>Hazardous Decomposition Products</b>	Not applicable.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

#### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

## Section 13. Disposal Considerations

**Disposal Method:** Triple rinse and dispose according to Local Regulations.

**Disposal methods to avoid:** None known.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

**This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

## Section 16 Other Information

### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

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Issue Date: 14 May 2018                      Review Date: 14 May 2023