

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: 22 April 2024 v2

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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:

Ingestion: Not applicable.

Inhalation: Not applicable.

Skin: Not applicable.

Eyes: Not applicable.

Chronic: Not applicable.

Section 5. Fire Fighting Measures

Hazard Type	The product is not flammable.
Hazards from decomposition products	Toxic fumes may be released.
Suitable Extinguishing media	Use appropriate media (water, foam, dry powder or CO ₂) for surrounding the fire. Note: avoid spills as product is slippery.
Precautions for firefighters and special protective clothing	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
HAZCHEM CODE	None Allocated

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. Ventilate spillage area.

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:

- Wear PPE as detailed in Section 8.
- Ensure good ventilation of the work station.
- Do not eat, drink or smoke when using this product.
- Always wash hands after handling the product.

Precautions for Storage:

- Store in a well ventilated, 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 ³	ppm	mg/m ³

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

Engineering Controls

Ensure good ventilation of the work station.

Personal Protection Equipment:

Eyes	Safety glasses.
Hands and Skin	Wear suitable protective gloves and clothing.
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.

Section 9 Physical and Chemical Properties

Appearance	Black Liquid
Odour	Marine like
Odour Threshold	Not available
pH	7.5 - 8.5
Boiling Point	>100 ⁰ C
Melting Point	Not available
Freezing Point	<0 ⁰ C
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure @ 20⁰C	Not available
Vapour Density	Not available
Density	1.16 g/cm ³
Water Solubilities	Fully soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity: Dynamic	<100 cP
Particle Size	Not available
Mean particle size	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Materials	No data available.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.LD50 =>5000mg/kg
Dermal	Not applicable. LD50 = >2000mg/kg
Inhalation	Not applicable.LC50 = >5.01 mg/L
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

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

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Ascophyllum nodosum, extract (84775-78-0)	>5000 mg/kg (rat)	>2000 mg/kg (Rat)	>2.88mg/L/4hr(Rat) Dust/mist

Section 12. Ecotoxicological Information

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Persistence and degradability	Not rapidly degradable.
Bioaccumulation	Ascophyllum nodosum, extract (84775-78-0): Low potential for bioaccumulation (Log Kow < 4).
Mobility in Soil	Ascophyllum nodosum, extract (84775-78-0): Surface tension: 51.1 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Other adverse effects	No data available.

Section 13. Disposal Considerations

Disposal Method: Triple rinse container and add rinsate to the spray tank. Dispose of product only by using in accordance with label directions, or through Agrecovery Chemical Recovery Service or alternative approved programs.



Disposal methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

Section 15 Regulatory Information

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

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