

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Kalitrace Solub (No B)**
 Product Use: Fertilizer
 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: 8 July 2021

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

This product does not contain substances classified as hazardous

Section 4. First Aid Measures

Routes of Exposure:

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

If on Skin: Wash with plenty of soap and water. If on skin irritation occurs, seek medical advice and attention.

If Swallowed: Rinse mouth, give 2-3 glasses of water to drink. Seek medical attention. Induce vomiting. Never give anything by mouth to an unconscious person.

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.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Treatment: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	The product is non-flammable and non-combustible.
Hazards from combustion products	Hazardous decomposition / combustion products: produces oxides of nitrogen on combustion: NyOx
Suitable Extinguishing media	Depending on the materials stored in the neighbourhood use following extinguishing media: foam, water spray, dry chemical powder, CO2.
Precautions for firefighters and special protective clothing	Fire-fighters should wear suitable protective clothing such as boots, overalls, gloves, eye and face protection and breathing apparatus. Do not allow to enter fire-fighting water to surface water or groundwater.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Ensure adequate ventilation. Wear PPE as detailed in Section 8. Keep unnecessary and unprotected personnel from entering.

Do not flush into public water courses. Do not empty into drains, ground or surface water and soil. If the product enters drains or water, immediately inform appropriate authorities.

Sweep up shovel. Contain spillage and then collect by wet-brushing and place in container for disposal. After removal, wash the contaminated area with water. Dispose of according to Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Handle in accordance with good industrial hygiene and safety practice.
- Use personal protective equipment according to section 8.
- Do not disposal to sewage system.
- Avoid formation of dust.

Precautions for Storage:

- Keep in original, tightly closed container in a dry, cool and well-ventilated place.
- Keep away from heat and source of ignition.

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 short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

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Tel: 64 9 475 5240 www.techcomp.co.nz

No data available.

Personal Protection Equipment

Eyes	Use safety goggles.
Skin	Handle with protective gloves (recommended nitrile gloves, layer thickness 0,11 mm and breakthrough time > 480 minutes). Use protective clothing.
Respiratory	Not required.
General	Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing. Avoid contact with skin. Avoid breathing mist/aerosol. Wash hands after working with substance. When using do not eat or drink. Immediately remove spilled substance.

Section 9 Physical and Chemical Properties

Appearance	Solid, crystalline
Colour	White with inclusions
Odour	Odourless
Odour Threshold	Not available
pH value 1,0 % (w/v) solution	3.60 ± 1.0
Boiling Point	Not available
Melting Point	350 °C
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Relative Density	1.10 ± 0.10 g/cm ³
Bulk Density	ca. 1.000 kg/m ³
Solubilities	Soluble in water
Log Pow	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Particle Characteristics	Not available
Explosive Properties	Not available
Conductivity of 0,1% solution	1.54 ± 0.04 mS/cm at 20°C

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended storage and treatment circumstances.
Possible hazardous reactions	No data available.
Conditions to Avoid	Keep away from heat.
Incompatible Materials	None known.
Hazardous Decomposition Products	In the event of fire produces oxides of nitrogen NyOx

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
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Dermal	Not applicable.
Inhalation	Not applicable.
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.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	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 2020.

Section 16 Other Information

Glossary

Cat	Category
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:

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Tel: 64 9 475 5240 www.techcomp.co.nz

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

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