

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Removit**
 Product Use: Cleaning agent for shading agents and coatings
 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: 15 June 2021

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: Cleaning Products (subsidiary) – HSR002530

Pictograms



Corrosive

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Skin irritation Cat. 2	H315	Causes skin irritation.
Serious eye damage Cat. 1	H318	Causes serious eye damage.

Prevention Code	Prevention Statement
P103	Read label before use.
P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code	Storage Statement
None Allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Sodium hydroxide	<2	1310-73-2
Tetranatriummethyleendiaminetetraacetate	<5	64-02-8
Alkylpolyglycosid	<2	68515-73-1
Ingredients determined to be Non-Hazardous	To 100	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse carefully with water during several minutes. Remove contact lenses, if possible. Keep rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Remove contaminated clothing. Wash skin with plenty of water and soap. Launder clothing before re-use. If skin irritation persists: seek medical attention.
If Swallowed	Rinse mouth with water. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.
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:

Inhalation:	Inhalation may cause chemical pneumonia and/or lung oedema, however only after symptoms of corrosive effects on mucous membranes of the eyes or upper respiratory system. Symptoms: Sore throat, coughing, shortage of breath.
Ingested:	Sore throat, stomach ache, vomiting, diarrhea
Skin:	Causes skin irritation. Red skin, pain, severe skin burns.
Eye:	Causes serious eye damage. Can cause blurred vision and blindness.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	Carbon dioxide. Sulphur dioxide.
Suitable Extinguishing media	Water spray, carbon dioxide, foam and dry extinguishing media.

Precautions for firefighters and special protective clothing	Suitable respiratory protection may be necessary. Cool containers which have been exposed to the fire down with water. Don't let extinguishing media enter the drain or surface water. For personal protection: see paragraph 8 of this document.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Clear area of all unprotected personnel. Wear PPE as detailed in Section 8.

Take up spillage with inflammable, absorbent material. Dispose as dangerous waste if product is not suitable for use. Dispose of according to Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid skin and eye contact.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials described in Section 10.
- Keep out of reach of children.
- Keep container tightly closed. Keep only in original container.
- The mixture is a cleaning agent for removing shading agents and coatings from glass and plastic surfaces by professional end-users.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Sodium hydroxide	[1310-73-2]	-	Ceiling 2	-	-

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

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards.

Personal Protection Equipment



Eyes	Use safety goggles which close tightly to the face.
Hands	Suitability of the used gloves (permeability, material thickness) of protective gloves for a specific workplace has to be discussed with the supplier of the gloves. For prolonged exposure, nitrile rubber gloves are suitable. Recommended material thickness: 0,11 mm Permeability level: 480 min. For protection against splashes, nitril rubber gloves are suitable. Recommended material thickness: 0,11 mm Permeability level: 480 min.
Skin	Avoid skin contact by using appropriate clothing.
Respiratory	Use suitable respiratory protection when the product is sprayed.

General	End users are recommended to minimize skin contact by wearing appropriate clothing and minimizing inhalation of product spray.
----------------	--

Section 9	Physical and Chemical Properties
------------------	---

Appearance	Liquid
Colour	Blueish
Odour	Characteristic
Odour Threshold	Not available
pH	12
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density	1.07 g/cm ³
Solubilities	Not available
Log Pow	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity, dynamic	Not available
Particle Characteristics	Not available
Explosive Properties	Not available

Section 10. Stability and Reactivity

Stability of Substance	This material is thermally stable when stored and used as directed.
Possible hazardous reactions	Exposition to acids causes a strong reaction. Contact with metals may form hydrogen gasses.
Conditions to Avoid	Prevent exposition of the product to high temperatures.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon dioxide. Sulphur dioxide.

Section 11	Toxicological Information
-------------------	----------------------------------

Acute Effects:

Swallowed	Not triggered but if ingested could cause sore throat, stomach ache, vomiting, diarrhea.
Dermal	Not applicable.
Inhalation	Inhalation may cause chemical pneumonia and/or lung oedema, however only after symptoms of corrosive effects on mucous membranes of the eyes or upper respiratory system. Symptoms: Sore throat, coughing, shortage of breath.
Eye	Causes serious eye damage. Can cause blurred vision and blindness.
Skin	Causes skin irritation. Skin contact may cause eczema.

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

Sodium hydroxide: LC50 (Fish, 96 u) : 35 -189 mg/l
 EC50 (Daphnia magna, 48 h) : 33 -450 mg/l

Sodium hydroxide: Anorganic

Sodium hydroxide: Bioaccumulation : Not applicable

Sodium hydroxide: Mobility : Dissolubility in water: very good

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

EPA Approval Code: **Cleaning Products (subsidiary) – HSR002530**

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L
Emergency Response Plan	10 000L
Secondary Containment	10 000L
Restriction of Use	None

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.

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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, if further information is required.

Issue Date: 15 June 2021 Review Date: 15 June 2026