

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **KICK**
 Product Use: Fertiliser – Soil improvement product
 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: 18 December 2019

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Fertiliser (subsidiary) – HSR002571

Pictograms



Irritant Corrosive

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
8.3A	H318	Causes serious eye damage.	Eye Corr. 1

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
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.
docusate sodium	≥50 - ≤58	577-11-7
Tridecanol, branched, ethoxylated	≥15 - ≤17	69011-36-5
Ingredients determined to be Non-Hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Take off contaminated clothing and wash before re-use. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	Clean mouth with water and drink afterwards plenty of water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Immediately call a POISON CENTER or doctor/physician.
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:

Ingestion:	Not applicable.
Inhalation:	Not applicable.
Skin:	Causes skin irritation.
Eyes:	Causes severe eye damage.

Treatment: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from combustion products	No information available.
Suitable Extinguishing media	Carbon dioxide (CO ₂), water spray or dry chemical

Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8.

Do not flush into surface water or sanitary sewer system.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Sweep up and shovel into suitable containers for disposal.

Dispose contaminated material waste according to chapter 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Wash hands thoroughly after handling.
- Provide sufficient air exchange and/or exhaust in work rooms.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials described in Section 10.
- Keep container tightly closed.

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 2017 9TH EDITION.

Engineering Controls

Ensure adequate ventilation is available.

Personal Protection Equipment



Eyes	Tightly fitting safety goggles (splash goggles) (EN 166)
Hands and Skin	PVC or other plastic material gloves. Wearing of closed work clothing is recommended.
Respiratory	Breathing apparatus needed only when aerosol or mist is formed. Particle filter EN 143 Type P2, medium efficiency, (solid and liquid particles of harmful substances).
General	Avoid contact with skin, eyes and clothing. Do not flush into surface water or

sanitary sewer system.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Yellowish
Odour	Product specific
Odour Threshold	Not available
pH	ca. 4,5 - 7,5, Concentration: 100 g/l (20 °C)
Solidification / Setting point	ca. > -20 °C
Boiling Point	>85°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	>100°C
Flammability	The product is not flammable.
Upper and Lower Explosive Limits	Not available
Vapour Pressure	> 50 hPa (50 °C)
Vapour Density	Not available
Density	1,1100 g/cm ³
Solubilities	Completely miscible
Partition Coefficient:	Not available
Auto-ignition Temperature	> 200,00 °C
Decomposition Temperature	No decomposition if stored and applied as directed.
Kinematic Viscosity	Not available
Particle Size	Not available

Section 10. Stability and Reactivity

Stability of Substance	This material is stable when stored and used as directed.
Hazardous Reactions	No known hazardous reactions.
Conditions to Avoid	Protect from frost, heat and sunlight.
Incompatible Materials	None known.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. LD50 (Rat): > 2.000 mg/kg
Dermal	Not applicable. LD50 (Rabbit): > 10.000 mg/kg
Inhalation	Not applicable.
Eye	Causes severe damage to eyes.
Skin	Causes skin irritation.

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	Product is not persistent Biochemical Oxygen De-mand (BOD):140mg/g Incubation time: 5d COD: 1500mg/g Physico-chemical removeability: >80% Readily eliminated from water.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Other adverse effects	Adsorbed organic bound halogens (AOX): Product does not contain any organic halogens. Additional ecological information: The product has not been tested. The information is derived from the properties of the individual components.

Product:

Toxicity to fish : LC50 (golden orfe): ca. 10 - 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia magna): 10 - 100 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to bacteria :EC10 (Bacteria): 10.000 mg/l
Exposure time: 0,5 h

Remarks: Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to Local Regulations.

Precautions or methods to avoid: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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: Fertiliser (subsidiary) – HSR002571

HSNO Classification: 6.3A, 8.3A

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000kg (8.3A)
Emergency Response Plan	10 000kg (8.3A)

Secondary Containment	10 000kg (8.3A)
Restriction of Use	None

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

Issue Date: 18 December 2019 Review Date: 18 December 2024