


Accelerate

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

| | |
|---|---|
| Product Name: | ACCELERATE |
| Product Code: | 7980088 (5 Litres) 7980090 (20 Litres) 7980093 (200 Litres) |
| Recommended Use: | An organosilicone penetrant for use with Glyphosate, Eradicate 600, Eliminate and other brushweed herbicides. |
| Restrictions of Use: | Refer to Section 15 |
| Company Identification: | Ravensdown Limited |
| Address: | 292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011 |
| Customer Centre: | 0800 100 123 |
| National Poisons Information Centre: | 0800 POISON (0800 764 766) |
| Emergency Phone Number: | 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only) |
| Transport Emergency Phone Number: | 111 - tell operator what service is needed: Fire, Ambulance or Police |
| Date of SDS Preparation | 15 April 2024 v2 |

Section 2: HAZARD IDENTIFICATION

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

| | |
|-------------------------|---|
| EPA Approval No: | Additives, Process Chemicals and Raw Materials (subsidiary) – HSR002503 |
| Pictograms: |  |
| Signal Word: | Warning |

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---|-------------|--|
| Acute dermal toxicity Cat. 4 | H312 | Harmful in contact with skin. |
| Acute inhalation toxicity Cat. 4 | H332 | Harmful if inhaled. |
| Skin irritation Cat. 2 | H315 | Causes skin irritation. |
| Eye irritation Cat. 2 | H319 | Causes serious eye irritation. |
| Hazardous to the aquatic environment chronic Cat. 2 | H411 | Toxic to aquatic life with long lasting effects. |

| Prevention Code | Prevention Statement |
|-----------------|--|
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |
| P261 | Avoid breathing fumes, vapours and spray. |
| P264 | Wash hands thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| 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. |

| | |
|------------------|--|
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P362+P364 | Take off contaminated clothing and wash before re-use. |
| P391 | Collect spillage. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304 + P340 | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. |
| 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. |
| P337 + P313 | If eye irritation persists: 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

| INGREDIENT | CAS No. | CONTENT |
|---------------------------------|-------------|---------|
| Polyether Modified Polysiloxane | 134180-76-0 | 75% |

Section 4: FIRST AID MEASURES

| | |
|---|---|
| Routes of Exposure: | |
| If in eyes: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| If on skin: | Remove contaminated clothing and wash before reuse. Wash affected area thoroughly with soap and water. If skin irritation occurs: Get medical advice/ attention. |
| If ingested: | Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately. |
| If inhaled: | Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately. |
| Most important symptoms and effects, both acute and delayed: | |
| Symptoms: | |
| Eyes: | Causes serious eye irritation. |
| Skin: | Harmful in contact with skin. Causes skin irritation. |
| Ingested: | Not applicable. |
| Inhaled: | Harmful if inhaled. |
| Chronic: | Not applicable. |
| Notes to Doctor: | No specific antidote. Treat symptomatically. |

Section 5: FIRE FIGHTING MEASURES

| | |
|---|---|
| Hazard Type | Non Flammable |
| Hazards from combustion products | If involved in a fire, may evolve carbon monoxide, carbon dioxide, silicon dioxide. |
| Suitable Extinguishing media | Water fog, foam, carbon dioxide or dry chemical. |
| Precautions for firefighters and special protective clothing | Full protective clothing and self-contained breathing apparatus. |
| HAZCHEM CODE | 3Z |

Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective clothing as detailed in Section 8. Exclude non-essential people from the area.

Environmental precautions:

Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Methods and material for containment and cleaning up:

Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container.

Dispose of waste safely in an approved landfill. Dispose of according to Section 13.

Section 7: HANDLING AND STORAGE

| | |
|------------------|--|
| Handling: | Read carefully and follow all instructions. Avoid contact with skin, eyes and inhalation of spray mist. |
|------------------|--|

| | |
|-----------------|---|
| | Avoid breathing fumes, vapours and spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective clothing as detailed in Section 8. Record Keeping: Records of use must be kept if this product is applied onto or into water. |
| Storage: | Keep out of reach of children. Store away from incompatible materials listed in Section 10. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409 Management of Agrichemicals This product is subject to signage and secondary containment when stored in quantities of 1000litres or more, either alone or in aggregate with substances of the same hazard classification. More than 1000litres require emergency response plans. For full details refer to NZS 8409 Management of Agrichemicals and HSWA Regulations. |

Section 8: EXPOSURE CONTROL/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 2023 14TH EDITION.

| | |
|------------------------------|---|
| Engineering Controls: | Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of spray mist. |
|------------------------------|---|

Personal Protection Equipment:



| | |
|---------------------|---|
| Eyes: | When opening the container, preparing spray and when contact with concentrate or solution is likely, wear safety goggles. |
| Skin/Hands: | When opening the container, preparing spray and when contact with concentrate or solution is likely, wear waterproof gloves, cotton overalls and boots. |
| Respiratory: | Not required. |
| General: | Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------|
| Appearance | Liquid |
| Colour | Clear light yellow |
| Odour | Characteristic |
| Odour Threshold | Not available |
| pH | 8 |
| Boiling Point | Not available |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | 102 ^o C |
| Flammability | Not flammable |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Specific Gravity | 1.01 |
| Bulk Density | Not available |
| Water Solubility | Soluble in water |

| | |
|----------------------------------|---------------|
| Partition Coefficient: | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Kinematic Viscosity | Not available |
| Granulometrics (mm) | Not available |

Section 10: STABILITY AND REACTIVITY

| | |
|---|---|
| Stability of Substance | When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. |
| Possibility of hazardous reactions | Not available. |
| Conditions to Avoid | None known. |
| Incompatible Materials | None known. |
| Hazardous Decomposition Products | None known. Refer to Section 5. |

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects:

| | |
|-------------------|--|
| Swallowed | LD ₅₀ (rat) 3200mg/kg Amounts swallowed incidental to normal handling are unlikely to cause injury. Large amounts swallowed may cause injury. Symptoms include: nausea, vomiting, gastrointestinal discomfort and diarrhoea. |
| Dermal | Harmful if in contact with skin. LD ₅₀ (rabbit) 1550mg/kg. Prolonged contact may cause defatting of the skin and may result in dermatitis. |
| Inhalation | Harmful if inhaled. LC ₅₀ (rat) (4hr) >1.08mg/l When applying this product avoid inhalation of spray mist. Some temporary irritation to the respiratory tract may be experienced if high concentrations are inhaled. |
| Eye | Will irritate the eye. Injury to the cornea is not expected. |
| 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: ECOLOGICAL INFORMATION

Toxic to aquatic life with long term effects.

Product:

| | |
|--------------------------------------|--|
| Persistence and degradability | No data available |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | Avoid unintended release into streams and waterways. |

Ecotoxicity:

Acute Toxicity (fish)


LC₅₀ (rainbow trout) (96hr) 2.1mg/l

Acute Toxicity (daphnia magna)

EC₅₀ (48hr) 1.1mg/l

Section 13: DISPOSAL INFORMATION

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

| | | |
|----------------------------------|--|---|
| Container Disposal: |  | Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for free recycling. Otherwise crush and bury in an approved landfill. Do not burn. Do not use container for any other purpose |
| Precautions or methods to avoid: | | Do not allow to enter waterways. |

Section 14: TRANSPORT INFORMATION

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2020



Road, Rail, Sea and Air Transport

| | |
|-----------------------------|---|
| UN No | 3082 |
| Class - Primary | 9 |
| Packing Group | III |
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyethersiloxane) |
| Marine Pollutant | Yes |
| Special Provisions | If the product's individual container is below 5L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG. |

Section 15: REGULATORY INFORMATION

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

EPA Approval Code: Additives, Process Chemicals and Raw Materials (subsidiary) – HSR002503

| HSW (HS) Regulations 2017 | Trigger Quantity |
|--|------------------|
| Signage Trigger Quantities (Schedule 3) | 1000L |
| Emergency Response Plan (Schedule 5) | 1000L |
| Secondary Containment (Schedule 5) | 1000L |
| Tracking (Schedule 26) | Not required |
| Certified Handlers | Not required |
| HSNO Additional Controls (Restrictions of use) | |
| | None known. |
| ACVM Act and Regulations | |
| See www.foodsafety.govt.nz for registration conditions | N/A |

Section 16: OTHER INFORMATION

Glossary

| | |
|------------------|---|
| EC ₅₀ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| 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

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 Ravensdown, if further information is required.

Issue Date: 15 April 2024

Review Date: 15 April 2029