Tracer®

AGRISOURCE

Safety Data Sheet

According to HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1.	Identification of the material and the supplier
Product Name	Tracer
Product Use	Herbicide
Restriction of Use	Refer to Section 15
New Zealand Supplier	Agrisource (2000) Limited
Address	45 Kitchener Road, Pukekohe, Auckland
Telephone	+64 9 237 0422
Emergency No:	0800 764 766 (National Poison Centre)
Date of SDS Preparation	13 January 2026

Section 2. Hazards Identification

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

EPA Approval No	HSR000571
Pictograms	
Signal Word	Danger

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 4	H227	Combustible liquid.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment acute Cat. 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment chronic Cat. 1	H410	Very toxic to aquatic life with long lasting effects.
Hazardous to soil organisms.	H422	Hazardous to soil organisms

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fumes, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment [if this is not the intended use].
P280	Wear protective clothing [as detailed in SDS Section 8].

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of 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.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use Carbon dioxide, dry powder or water fog to extinguish.

Storage Code	Storage Statement
P403	Store in a well-ventilated place.
P405	Store locked up.

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

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS Number
Triallate	45-50	2303-17-5
Emulsifier	1-5	Proprietary Mixture
Solvent C10	40-45	64742-94-5
Other ingredients not contributing to the hazards classification	To 100	NA

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. If eye irritation persists: Get medical advice.
If on Skin	Take off contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	Drink plenty of water.DO NOT attempt to give anything by mouth to a semi-conscious or unconscious person. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
If Inhaled	Remove patient to fresh air. Keep patient at rest. Begin artificial respiration if patient is not breathing and seek medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms	May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

Section 5. Fire Fighting Measures

Hazard Type	Combustible liquid.
Hazards from products	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Hydrogen chloride gas Combustible Development of hazardous combustion gases or vapours possible in the event of fire.
Suitable Extinguishing media	Carbon dioxide. Dry powder. Water fog.
Precautions for firefighters and special protective clothing	Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing. Do not allow run-off from fire fighting to enter drains or water courses. Exercise caution when fighting any chemical fire.
HAZCHEM Code	3Z

Section 6. Accidental Release Measures

For emergency responders	Wear protective equipment as detailed in Section 8. Avoid contact with skin and eyes. Clear area of all unprotected personnel. Ensure adequate ventilation.
Environmental precautions	Do not allow entering drains or watercourses. When the product contaminates public waters, inform appropriate authorities immediately in accordance with local regulations.
Methods and material for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed container for disposal. Dispose of waste safely in an approved landfill or hazardous waste facility as per Section 13.

Section 7. Handling and Storage

Precautions for Handling

- Read carefully and follow all instructions.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
- Avoid release to the environment [if this is not the intended use].
- Wear protective clothing [as detailed in SDS Section 8].
- Avoid contact with skin and eyes.
- Provide appropriate exhaust ventilation at places where dust is formed.

Precautions for Storage

- Keep out of reach of children.
- Store in a well-ventilated place.
- Store locked up.
- Keep container tightly closed in a dry and well-ventilated place.
- Store in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Section 8. Exposure Controls/Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA	STEL
n-Butyl alcohol [71-36-3]	20 ppm 61 mg/m^3	-

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 FEB 2025 15TH EDITION.

Engineering Controls	Handle outdoors or in a well-ventilated area.
Personal Protection Equipment	
Eyes	Face shield and safety glasses Use equipment for eye protection and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
Skin & Body	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Respiratory	Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If the full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
General	Do not eat, drink or smoke when using this product.

Section 9. Physical and Chemical Properties

Appearance	Liquid
Colour	Amber to dark brown
Odour	Solvent like
Odour Threshold	Not available
pH	6.0 – 8.5
Boiling Point	160 ºC (at 100 kPa)
Melting Point	Not available
Freezing Point	Not available
Flash Point	>62 ˚C (closed cup)
Flammability	Combustible
Upper and Lower Explosive Limits	Not available.
Vapour Pressure	Not available.
Vapour Density	Not available.
Specific Gravity or density	Not available.
Solubility	Not available.
Partition Coefficient:	Not available.
Auto-ignition Temperature	Not available.
Decomposition Temperature	Not available.
Kinematic Viscosity	Not available.
Oxidation properties	Not available.

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under conditions of normal use.
Conditions to Avoid	No information available.
Incompatible Materials	Oxidizing agents. Strong acids and strong bases.
Hazardous Decomposition Products	Refer to Section 5.

Section 11. Toxicological Information

Acute Effects	
Oral	LD50 – 1100 mg/kg (Rat Oral)
Dermal	LD50 > 3500 mg/kg (Rat dermal)
Inhalation	Rat >5.3 mg/L/4 hr (Rat inhalation)
Mixture	
Oral	>2000 g/kg Not classified
Dermal	>2000 g/kg Not classified
Inhalation	>5 mg/L Not classified
Eye	Causes serious eye irritation.
Skin	Causes skin irritation.
Sensitisation	May cause an allergic skin reaction.
Chronic Effects	
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Germ Cell Mutagenicity	Not classified.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not classified.
STOT/RE	Not classified.

Section 12. Ecotoxicological Information

General	Acute: Very toxic to aquatic life. Chronic: Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms	
Persistence and degradability	Moderately persistent. Average half-life in soil is 82 days.	
Bioaccumulation	Bioaccumulation may occur in fish.	
Mobility in Soil	Not readily soluble in water, and is strongly adsorbed to soil particles. Has low mobility in soil, but leaching may occur depending on conditions.	
Ecotoxicity Traillate (2303-17-5)	**Fish**	LC50 (96 h): 0.45 mg/L Oncorhynchus mykiss (rainbow trout)
	Daphnia	LC50 (48 h) 0.4 mg/L Daphnia magna (Water flea)
	Algae	EC50 (96 h) 0.1 mg/L Pseudokirchneriella subcapitata (green algae) NOEC (96 h) 0.01 mg/L Pseudokirchneriella subcapitata (green algae)
	Bees	No data available.
Waterways	Do not allow to enter waterways.	

Section 13. Disposal Considerations

Disposal Method	Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.
Container Disposal	Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.
Recycling	FREE RECYCLING AGRECOVERY www.agrecovery.co.nz
Precautions or methods to avoid	Avoid release to the environment.

Section 14. Transport Information

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

Pictograms	 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. (Tri-allate)
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5 L/kg, 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 hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No	HSR000571

HSW (HS) Regulations 2017	**Trigger Quantity**
Location Certificate	Not required
Signage Trigger Quantities (Schedule 3)	100 L
Emergency Response Plan (Schedule 5)	100 L
Secondary Containment (Schedule 5)	100 L
Tracking (Schedule 26)	Not required
Certified Handlers	Not required

HSNO Additional Controls (Restrictions of use)
77A

Hazardous Property Controls Notice 2017	
HPC Notice Part 4 Clause 47	Equipment for class 9 substances must be appropriate
HPC Notice Part 4 Clause 48	Records of application of class 9 pesticides and plant growth regulators
HPC Notice Part 1	Preliminary provisions
HPC Notice Part 3	Hazardous substances in a place other than a workplace.
HPC Notice Part 4 Subpart A	Site and storage controls for ecotoxic substances
HPC Notice Part 4 Subpart B	Use of ecotoxic substances in any place. Variation: Clause 52 of the Hazardous Property Controls Notice applies to this substance as if it is an agrichemical that is in the hazard class hazardous to the aquatic environment.
HPC Notice Part 4 Subpart C	Qualifications required for application of ecotoxic pesticides.

ACVM Act and Regulations	
Registration Number	P010423

See www.foodsafety.govt.nz for registration Conditions

Section 16. Other Information

Glossary

Cat	Category
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	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

EPA Hazardous Substances (Safety Data Sheets) Notice 2017
Workplace Exposure Standards and Biological Exposure Indices FEB 2025 15th edition.
Assigning a hazardous substance to a HSNO Approval (Aug 2013).
Transport of Dangerous goods on land NZS 5433:2020
HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the Agrisource (2000) Limited, if further information is required.

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