

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING
PRODUCT IDENTIFIER

Product Name	Totalrol Organic	
Other Names	-	
CAS Number	511-15-9	


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

HSNO Hazard Classification	6.5B, 9.1D
HSNO Approval Number	HSR003519
Hazard Nature	This product is classified as HAZARDOUS under HSNO criteria
Pictogram(s)	
Signal Word	Warning
Hazard Statement(s)	H317 May cause allergic skin reaction. H401 Toxic to aquatic life.
Prevention Statements(s)	P103 Read label before use. P261 Avoid breathing dusts. P272 Contaminated work clothing should be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective clothing as detailed in Section 8.
Response Statement(s)	P363 Wash contaminated clothing before reuse. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation occurs: Get medical advice/attention.
Storage Statement(s)	None allocated.
Disposal Statement(s)	P501 Dispose of according to local Regulations or Authorities.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	% [weight]	INCI
511-15-9	74-88 %	Totalrol
Proprietary	6.9-25	Other related compounds
Proprietary	0.5-5	Volatiles

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

General Advice	Remove contaminated soaked clothing and wash before reuse. Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	Wash off with soap and plenty of water. Consult a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical advice.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

SECTION 5 FIREFIGHTING MEASURES

Flammability of the Product:	Non-Flammable
Boiling Point:	n/a

SECTION 5 FIREFIGHTING MEASURES

Flash Points:	n/a
Flammable Limits:	Not available.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Not available.
Extinguishing media:	Foam, Carbon dioxide, Dry chemical extinguisher, Water spray jet.
Special firefighting procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environment	Do not let product enter drains. Discharge into the environment must be avoided.
Precaution	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations Keep in suitable, closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling	<ul style="list-style-type: none"> Read label before use. Avoid breathing dusts. Contaminated work clothing should not be allowed out of the workplace. <ul style="list-style-type: none"> Avoid release to the environment. Wear protective clothing as detailed in Section 8. <ul style="list-style-type: none"> Provide good ventilation of working area (local exhaust ventilation if necessary). Advice on protection against fire and explosion. Keep away from sources of heat and ignition.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials listed in Section 10. Keep container tightly closed and dry in a cool, well-ventilated place. Store product in closed containers. Always keep in containers of same material as the original one

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

 Substance TWA ppm mg/m³; STEL ppm mg/m³

Appropriate engineering controls	Prevent dust formation.
Personal protection	
Eye/face protection	Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	In case of intensive contact wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Nitrile: Should be >0.3mm thick and have a min breakthrough of >480 min. Rubber: Should be >0.5mm thick and have a min breakthrough of >240 min.
Body Protection	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respiratory filter (part): P1 (EN 143)
Control of environmental exposure	Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Have eye wash fountain available. Do not inhale dust.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, light brown	Melting Point	68°C
Odour	n/a	Boiling Point	>400°C

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Not available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None advised
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong bases, Strong oxidizing agents, Strong acids, Acid chlorides, Acid anhydrides
Hazardous decomposition products	Carbon dioxide (CO ₂) Carbon monoxide (CO)

SECTION 11 TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this safety data sheet and the product label.

Inhaled	Not available
Ingestion	Not applicable. LD50 = >2000mq/kq (rat)
Skin contact	Not applicable. LDS0 = >2000mq/kq. May cause an allergic skin reaction.
Eye	Not available
Chronic	Not available

Acute toxicity Acute

Oral toxicity

LOSO = 2000 mg/kg (rat)

Method 96/54/EEC, B.1 trisMethod

Mute dermal toxicity

92/69/EEC, 8.3

LOSO > 2000 mg/kg

Irritant/corrosive effects

Irritant effect on skin

Evaluation non-irritant

Species rabbit
Method OECD 404

Duration of exposure 4

Irritant effect on eyes

Evaluation non-irritant

Species rabbit

Method OECO 405

Sensitisation Species

mice

Evaluation sensitizing Method 2004/73/EG, 8.42 (LLNA)

Mutagenicity

Type Gene mutation Value negative

Type Chromosome aberration Value negative

SECTION 12 ECOLOGICAL INFORMATION

HSNO Classes: 9.1D May cause long lasting harmful effects to aquatic life.

Persistence and degradability	Biodegradability: Value = 18 Duration of Exposure = 28 days Evaluation: Not readily degradable.
Other adverse effects	Harmful to aquatic life.
Further information	Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.
Toxicity Data	Daphnia toxicity EC50 > 100 mg/l Species Daphnia magna Duration of exposure 48 Method 92/69/EEC, C.2 NOEC > 10 mg/l Species Daphnia magna Duration of exposure 48.

SECTION 13 DISPOSAL CONSIDERATION

Product	Residuals- must be removed from packaging and when emptied completely disposed of in accordance with Local Regulations. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Precautions or methods to avoid: Avoid release to the environment.
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SECTION 14 TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2012

UN number	-
UN proper shipping name	-
Transport hazard class(es)	-
Packing group	-
Environmental hazards	-
Special precautions for user	-

SECTION 15 REGULATORY INFORMATION

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

EPA Approval Code: Additives, Process Chemicals and Raw Materials (subsidiary) - HSR002503HSNO Classification:

6.5B, 9.1D

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10 000kg (9.1D)
Emergency Response Plan	1000kg (6.5B)
Secondary Containment	1000kg (6.5B)
Restriction of Use	Only use for the intended purpose.

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

v00: 29/10/2021 PIL.

Pure Ingredients Ltd