



**SAFETY DATA SHEET**  
**Seaweed Extract**

**SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name:** Nitrosol Seaweed  
**Proper Shipping Name:** Seaweed Flake  
**Product Use:** Soil Conditioner / Plant Nutrition  
**Manufacturer:** Nitrosol Limited, 63b Allens Road, East Tamaki, 2013, Auckland  
Telephone: +64 9 571 7171  
**24 H Emergency Contact: 0800 243 622 ( 24 Hours)**  
**Website:** [www.nitrosol.co.nz](http://www.nitrosol.co.nz)  
**Email:** [info@nitrosol.co.nz](mailto:info@nitrosol.co.nz)

**SECTION 2 : HAZARDS IDENTIFICATION**

This substance is non-hazardous according to the EPA Hazardous Substances (Classification) Environmental protection Authority (New Zealand)  
Group Standard 2017 HSR002571

**HSNO classification**

**Health Hazards** None identified

**Environmental Hazards** None identified

**Prevention Statements:**

- P102 Keep out of Reach of Children
- P103 Read Label before use

**Response Statements:**

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water

**Disposal Statement:**

- P501 Dispose of contents/containers in accordance with local/regional/national/international regulations.

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## SECTION 3 : COMPOSITION

Compound	CAS Number	Proportion
Seaweed Extract	68917-51-1	100%

## SECTION 4 : FIRST AID MEASURES

**Eyes:** Flush with cold water immediately for at least 15 minutes, lifting upper and lower eye lids. Seek Medical assistance if irritation persists.

**Skin:** Wash skin with soap and water. Remove & wash Contaminated clothing before re-use.

**Ingestion:** Contact a doctor or Poisons should individual feel unwell. Have product container label available on hand. Information Centre (0800 POISON - 0800 764 766). Do not induce Vomiting unless medical attention is delayed more than one Hour. Never administer anything orally to an unconscious person.

**Inhalation:** Clear airways and remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek medical attention.

**Advice to Doctor:** Treat symptomatically based on judgement of doctor and individual reactions of patient.

**Medical Conditions Exposure** Persons with pre-existing health conditions including skin disorders, eye problems or respiratory function may be more susceptible to the effects of the substance.

## SECTION 5 : FIRE FIGHTING MEASURES

**General Measures** Clear fire of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

**Flammability** Considered flammable

**Extinguishing Media** Water, dry chemical and Sand

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**Fire & Explosion Hazards** Not an explosion hazard

**Hazardous Products of Combustion** May produce smoke

**Flash Point** >95 °C

**Flammable Limits** Flammable if in contact with direct flame

**Fire Fighting** Wear protective clothing and self-contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into the drains.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Spills:** Use appropriate protective clothing and equipment.

**Large spills:** Sweep and collect as much as possible to a salvage container. Wash down with water and prevent runoff reaching drains.

## SECTION 7 : HANDLING AND STORAGE

**Handling** Keep out of reach of children.  
Ensure compatibility with other products if to be sprayed together by doing small test premix.  
Do not handle until all safety precautions have been considered and understood.  
Wear protective PPE as described in Section 8.  
Wash hands thoroughly after handling.  
Avoid release down drains or any waterways.

**Storage** Store away from goods and animal feed.  
Keep container tightly closed. Always keep in containers that correspond to the material of the original container.  
Take care of instructions on label. Store in room at temperatures between 5 °C and 40 °C. Carefully store closed containers upright to prevent any leaks.

## SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

<b>Exposure Guidelines:</b>	None established by OSHA or in Workplace Exposure Standards (WES)
<b>Control parameters</b>	None
<b>Engineering Measures</b>	Adequate ventilation should be considered when spraying
<b>Eyes</b>	Wear eyeglasses with side protection according to EN 166.
<b>Hands and Skin</b>	For prolonged or repeated handling, the following glove material must be used: e.g. NBR (Nitrile rubber).
<b>Respiratory General</b>	Wear Dust mask After contact, clean skin thoroughly with water and soap or use appropriate cleanser.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark brown liquid
<b>Boiling Point:</b>	N/A
<b>Density:</b>	1104 g/L @ 25° C
<b>Flash Point:</b>	>95° C
<b>pH:</b>	6-10
<b>Vapour Pressure:</b>	Not Available
<b>Corrosion:</b>	Not corrosive
<b>Oxidisation:</b>	Not an oxidiser
<b>Solubility:</b>	Fully soluble in water

## SECTION 10 : STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Incompatibility:</b>	Avoid strong acids
<b>Hazardous Decomposition</b>	Does not decompose when used for intended uses.
<b>Hazardous Polymerization:</b>	Does not occur.

## SECTION 11 : TOXOLOGICAL INFORMATION

Potential Health Effects. This section includes the possible adverse health effects that could occur if the substance is not handled as recommended.

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## Acute Effects:

**Ingestion:** May cause nausea and discomfort if swallowed.  
**Eye:** May cause eye irritation.  
**Skin:** May cause skin irritation with prolonged or repeated exposure.  
**Inhalation:** Avoid prolonged or repeated inhalation

Skin corrosion/irritation: Not considered a skin irritant

Serious eye damage/irritation : No evidence to support long term adverse effect on human eye, causes irritation, redness and pain

Ingestion: Ingestion to be avoided as will cause nausea and discomfort

Inhalation: Inhalation is the most significant route of exposure in occupational and other settings.

Skin Irritation: Not significantly absorbed through the skin

Reproduction: No data available

Carcinogen: No data available

## SECTION 12 : ECOLOGICAL INFORMATION

### Ecotoxicity

Toxicity: This product is a fertiliser and not considered harmful in recommended dosage

Phytotoxicity Contains essential micronutrients for healthy growth of plants. Care should be taken to manage the amount of product released to the environment and regular testing before application is recommended.

Algal Toxicity No data

Invertebrate toxicity No data

Toxicity to fish: No data

Degradability: Being a fertiliser it breaks down into common natural elements

Bioaccumulation: Not significantly bioaccumulative

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Mobility: Readily soluble in water

Environmental fate: Do NOT let product enter waterways, drains and sewers.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal Method: Follow the label directions.  
Triple rinse empty containers before disposal.  
Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit.  
Otherwise crush or puncture and bury in a suitably approved landfill. Do not dispose of this product down drains or sewers.  
Follow all local, regional and national laws and regulations regarding hazardous waste disposal.

## 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:	Fertilisers (subsidiary) - HSR002571
HSNO Classification:	Not considered hazardous
HSNO Controls:	Not required
Trigger quantities for this substance:	
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	Not applicable
Emergency Response Plan QTY	Not applicable
Restrictions of use	None

## SECTION 16 : OTHER INFORMATION

### Glossary

EC50 Median effective concentration.

EPA Environmental Protection Agency.

HSNO Hazardous Substances and New Organisms.

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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:

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

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturers if in doubt), be guided by the most hazardous of the substances involved, and observe the more stringent of all hazard controls applicable to the products used.

Further Information Nitrosol Limited  
Toll-Free Phone (0800) 80 30 60