

# SAFETY DATA SHEET

## Seasol Commercial Seaweed Concentrate (NZ)

Infosafe No.: LQ9LZ  
ISSUED Date : 13/08/2019  
ISSUED by: SEASOL INTERNATIONAL PTY LTD

### 1. IDENTIFICATION

#### GHS Product Identifier

Seasol Commercial Seaweed Concentrate (NZ)

#### Product Code

20005, 20006, 20007, 20008, 20009

#### Company Name

SEASOL INTERNATIONAL PTY LTD

#### Address

1027 Mountain Highway Bayswater  
Vic 3153 Australia

#### Telephone/Fax Number

Tel: 03 9729-6511

Fax: 03 9720-4792

#### Emergency phone number

1800 335 508 (8.30am-5pm)

#### Recommended use of the chemical and restrictions on use

Soil revitaliser and plant tonic

#### Other Names

| Name                                   | Product Code                      |
|--|-----------------------------------|
| SEASOL LIQUID SEAWEED CONCENTRATE (NZ) | 20005, 20006, 20007, 20008, 20009 |
| SEASOL COMMERCIAL (NZ)                 | 20005, 20006, 20007, 20008, 20009 |

#### Additional Information

DISTRIBUTOR IN NZ

Tui Garden

Truman Lane, Te Maunga, RD 5, Mount Maunganui 3175,

New Zealand

Ph: 07 575 2160

Fax: 0800 442 398

ERS: 07 575 2160 (8.30am – 5pm)

### 2. HAZARD IDENTIFICATION

#### GHS classification of the substance/mixture

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

6.1E (Oral) - Substance that is acutely toxic

6.4A Substance that is irritating to the eyes

#### Signal Word (s)

WARNING

**Hazard Statement (s)**

H303 May be harmful if swallowed.  
H319 Causes serious eye irritation.

**Pictogram (s)**

Exclamation mark

**Precautionary statement – Prevention**

P102 Keep out of reach of children.  
P103 Read label before use.  
P264 Wash contaminated skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P101 If medical advice is needed, have product container or label at hand.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary statement – Disposal**

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

| Name   | CAS       | Proportion |
|--|-----------|------------|
| Potassium Hydroxide  | 1310-58-3 | 0-<1 %     |
| Ingredients determined not to be hazardous, including water. |           | Balance    |

### 4. FIRST-AID MEASURES

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**Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

## Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide and water spray/fog.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of nitrogen, carbon monoxide and carbon dioxide.

### Specific Hazards Arising From The Chemical

This product will burn if exposed to fire.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water based product, if spilt on electrical equipment the product will cause short-circuits.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Potassium hydroxide

TWA: 2 mg/m<sup>3</sup> (ceiling)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Ceiling: A concentration that should not be exceeded during any part of the working day.

Source: Workplace Exposure Standards and Biological Exposure Indices.

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (Series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Properties                | Description      | Properties                             | Description         |
|---------------------------|------------------|--|---------------------|
| Form                      | Liquid           | Appearance                             | Liquid              |
| Colour                    | Dark brown       | Odour                                  | Seaside like odour. |
| Decomposition Temperature | Not available    | Melting Point                          | Not available       |
| Boiling Point             | Not available    | Solubility in Water                    | Completely soluble  |
| Specific Gravity          | 1.1 - 1.2 (25°C) | pH                                     | 11.5-12.5           |
| Vapour Pressure           | Not available    | Vapour Density (Air=1)                 | Not available       |
| Evaporation Rate          | Not available    | Odour Threshold                        | Not available       |
| Viscosity                 | Not available    | Partition Coefficient: n-octanol/water | Not available       |
| Flash Point               | Not available    | Flammability                           | Non flammable       |
| Auto-Ignition Temperature | Not available    | Flammable Limits - Lower               | Not available       |
| Flammable Limits - Upper  | Not available    |  |                     |

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Reacts with incompatible materials.

### Conditions to Avoid

Extremes of temperature.

### Incompatible materials

Strong oxidising agents.

### **Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

### **Possibility of hazardous reactions**

Not available

## **11. TOXICOLOGICAL INFORMATION**

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### **Toxicology Information**

No toxicity data available for this material.

#### **Ingestion**

May be harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

#### **Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

#### **Skin**

May be irritating to skin. The symptoms may include redness, itching and swelling.

Corrosive In Vitro Protocol (OECD 435): Test Result: GHS Category for Skin Corrosion:-Non-Corrosive. (pH adjusted to 12.5 with KOH)

Skin irritant test (In-vitro skin irritation study according OECD guideline TG 439): Test Result: non irritant

#### **Eye**

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

#### **Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

#### **Skin Sensitisation**

Not expected to be a skin sensitiser.

#### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

#### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

#### **STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## **12. ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

No ecological data available for this material.

### **Persistence and degradability**

Not available

### **Mobility**

Soluble in water.

### **Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent large amounts from entering waterways, drains and sewers. Contain and clean up any spill.

## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations****Product Disposal:**

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. This is a water-based/water-soluble product and therefore can be sent through a Waste Water Treatment Plant and after treatment can be discharged into environment through the sewerage or drainage systems as authorized. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

**Container Disposal:**

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

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**Transport Information****Road and Rail Transport:**

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:{2012} Transport of Dangerous Goods on Land.

**Marine Transport (IMO/IMDG):**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport (ICAO/IATA):**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Group Standard: Fertilisers (Subsidiary Hazard) Group Standard 2006.

**HSNO Approval Number**

HSR002571

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS created: August 2019

**References**

Workplace Exposure Standards and Biological Exposure Indices.

Transport of Dangerous goods on land NZS 5433.

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Assigning a hazardous substance to a group standard.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

## END OF SDS

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