

# Product name:

## Seaweed Concentrate Flake

### 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product/Trade Name : Seaweed Concentrate Flake  
New Zealand Supplier: **Gibb-Gro Ltd**  
Address: 29 Brick Bay Drive, Warkworth 0982, New Zealand

Telephone: +64 27 498 2574  
**Emergency No: 0800 764 766 (National Poison Centre)**  
**Or: +64 27 498 2574**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product description : Seaweed fertilizer; Seaweed extract, Seaweed powder  
Composition/Ingredient : Cytokinins, auxin, etc.

### 3. HAZARDS IDENTIFICATION ON INGREDIENTS

Physical/Chemical Hazard : Under normal conditions of handling and usage, Product involves no physical/chemical hazards to health.

### 4. FIRST-AID MEASURES

Eye Contact : Gently rinse with clean water, including under the eye lids, for at least 15 minutes.  
Skin Contact : Thoroughly wash with soap and rinse with clean water.  
Inhalation : Immediately give the victim copious amount of milk or water to dilute it in the stomach

Do not attempt to make the unconscious victim vomit. After the above treatment, obtain medical advice promptly.

## 5. FIRE-FIGHTING MEASURES

Extinguishing Method : Sprinkle fire with extinguishing agents.  
Extinguishing Media : Dry sand, Dry chemical, Alcohol-resistant foam, Water spray, Carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

- Remove the flammable materials from the leaked spot immediately. Well ventilate.
- Recover as much as possible or absorb, covering with sand, and dispose under all federal, state and local regulation in your country.
- Wipe off with waste cloths and burn out the used waster cloths.
- Flush area clean with detergent and plenty of water.
- Put the protect goggles and the oil/chemical resistant gloves during the procedure.

## 7. HANDLING AND STORAGE

Handling : Ventilate area well when handling. Use protective goggles and oil/chemical resistant gloves.  
Storage : Keep container closed. Keeping heat and fire off. Keep in dark cool place.  
Others : Follow the instruction mentioned federal, state and local Regulations in your country.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation : Local exhaust/general ventilation.  
Protective equipment : Use protective goggles and oil/chemical resistant gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Black powder and flakes  
Odor : NONE  
Specific gravity : 1.104±0.008(20/20°C)  
Flash point : >95.0°C(TCC)  
Solubility : Soluble in water. Insoluble in oil/fat.

## 10. STABILITY AND REACTIVITY

This product is considered to be a stable material under normal storage/handling /usage conditions.

Hazardous decomposition and polymerization will not occur.

## 11. TOXICOLOGGICAL INFORMATION

Under normal conditions of handling and usage, product pose no toxicological Problems.

## 12. ECOLOGICAL INFORMATION

Not as yet identified.

## 13. DISPOSAL CONSIDERATIONS

Destroy by combusting in small quantities. Treat using the appropriate techniques before discharging into drains or the aquatic Environment. Abide by all federal, state and local regulations in your country.

## 14. TRANSPORT INFORMATION

UN Class : N/A  
UN Number : N/A

Any transportation practice must be in compliance with federal, state and local laws and regulations in your country. Contact federal, state and local transportation agency for specific rules in your Country.

#### 15. REGULATORY INFORMATION

Follow all federal, state and local regulations in your country.

#### 16. OTHER INFORMATION

The information herein is given in good faith, but with no warranties express or Implied, being made. Consult for further information.

<b>Glossary</b>	
<b>EC<sub>50</sub></b>	Median effective concentration
<b>EEL</b>	Environmental Exposure Limit
<b>EPA</b>	Environment Protection Agency
<b>HSNO</b>	Hazardous Substances & New Organisms Act
<b>Koc</b>	Organic carbon partition coefficient
<b>HSW</b>	Health and Safety at Work.
<b>LFL</b>	Lower Flammability Limit
<b>LEL</b>	Lower explosive level
<b>LC<sub>50</sub></b>	Lethal Concentration in air or water for 50% of test organisms
<b>LD<sub>50</sub></b>	Lethal Dose for 50% of test organisms
<b>NOEL</b>	No Observable Effect Level
<b>OSHA</b>	Occupational Safety & Health Administration (USA)
<b>OSH or Worksafe</b>	Worksafe New Zealand
<b>PEL</b>	Permissible Exposure Level
<b>Pow</b>	Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.)
<b>pH</b>	Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali)
<b>STEL</b>	Short Term Exposure Limit
<b>TEL</b>	Tolerable Exposure Limit
<b>TLV</b>	Threshold Limit Value – an exposure limit set by a competent authority
<b>TWA</b>	Time Weighted Average – average concentration of a chemical in air over a total exposure time (usually 8 hours)
<b>UEL</b>	Upper Explosive Level
<b>UFL</b>	Upper Flammability Limit
<b>WES</b>	Workplace Exposure Standard – set by ERMA/OSH

#### 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 manufacturer 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:                      Gibb-Gro Limited  
[www.Gibb-Gro.co.nz](http://www.Gibb-Gro.co.nz)  
027 498 2574

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