

# MATERIAL SAFETY DATA SHEET

## STATEMENT OF HAZARDOUS NATURE

SPROUT Biological Nutrient Supplement is not classified as hazardous according to the criteria of NOHSC.

## COMPANY DETAILS

**Company** : Aligned International Services Corporation  
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Bangkok 10114 Thailand  
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**Emergency Tel** : +66 (0)85 112 4467  
**Other Info** : This MSDS summarizes to the best of our knowledge the health and safety hazard information of the product and how to safely handle and use the product in the workplace.

## IDENTIFICATION

**Product Name** : SPROUT Biological Nutrient Supplement  
**Other Names** : SNS, Nutrient Supplement, Liquid NPK  
**UN Number** : None Allocated  
**DG Class** : None Allocated  
**Packing Group** : None Allocated  
**Hazchem Code** : None Allocated  
**Poisons Schedule No** : None Allocated  
**Product Use** : Fertilizer.

## PHYSICAL DESCRIPTION/PROPERTIES

**Appearance** : Dark liquid  
**Boiling Point** : Approx 100°C  
**Melting Point** : N/A  
**Vapour Pressure** : NOT AVAILABLE  
**Specific Gravity** : 1.2  
**Flash Point** : NOT AVAILABLE  
**Solubility in Water** : Soluble in all proportions.

## OTHER PROPERTIES

**Volatile component** : None  
**Vapour Density** : Not known.  
**pH Value** : 4.9  
**Odour** : Fish smell  
**Viscosity** : Low  
**Form** : Liquid  
**Materials to Avoid** : Keep sealed and avoid contact with water and air to prevent shortening of shelf life.

## INGREDIENTS

<i>Chemical Name</i>	<i>CAS Number</i>	<i>Proportion</i>
Water	7732-18-5	0.5 - 1.0%
Fresh fish		99 - 99.5%
Additives		0.0 - 0.1%

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## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

- Acute - Swallowed** : Practically non-harmful. May cause gastric irritation.
- Acute - Eye** : A mild eye irritant. May cause watering of eyes. May cause soreness
- Acute - Skin** : Repeated or prolonged skin contact may lead to irritation.
- Acute - Inhaled** : Inhalation may be harmful. The vapour may be an irritant to the mucous membranes and respiratory tract.
- Chronic** : May cause allergic response.
- Other information** : N/A

### FIRST AID

- Swallowed** : Give plenty of water to drink. Do not induce vomiting. Seek medical attention.
- Eye** : Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
- Skin** : Wash affected areas with copious quantities of water immediately. If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.
- Inhaled** : Remove victim from exposure to fresh air. Avoid becoming a casualty. Recovery should be rapid after removal from exposure. Seek medical attention.
- First Aid Facilities** : Ensure eye wash station and safety shower are readily available.

### ADVICE TO DOCTOR

- Treatment** : Treat symptomatically.

### ADDITIONAL HEALTH HAZARD INFORMATION

#### *Medical Conditions*

- **Asthma** : May be aggravated by exposure.

## PRECAUTIONS FOR USE

- Other Exposure Info** : The product (wet) odour may cause discomfort under the influence of elevated temperatures or in confined areas.  
The use of a solvent vapour mask under these circumstances may be advisable.
- Eng. Controls** : Use in a well ventilated area only. Keep containers in a sufficiently well ventilated area to prevent inhaling of vapour. Local exhaust ventilation system may be required.  
Provide ventilation for 24 hours after use.

### PERSONAL PROTECTION

- Respirator Type** : If inhalation risk exists, wear organic vapour respirator meeting the (AS1716) requirements of AS/NZS 1715 and AS/NZS 1716.
- Eye Protection** : Safety glasses, goggles or face shield as appropriate
- Glove type** : PVC or rubber gloves.
- Clothing** : Wear overalls to minimise contamination of personal clothing.  
Launder overalls and undergarments regularly.
- Footwear** : Enclosed footwear.
- Work/Hygienic Practices** : Wash hands after use and before eating, drinking, smoking or using the toilet.

### FLAMMABILITY

- Fire Hazards** : Non flammable. Product residue, following evaporation of liquid content may burn in the presence of an ignition source.

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## SAFE HANDLING INFORMATION

### STORAGE & TRANSPORT

- Storage Precautions** : Store in a cool, dry place (8 - 40°C) and protect from freezing.  
Store and transport in original containers where possible.
- Proper Shipping Name** : Non allocated.

### SPILLS AND DISPOSAL

- Large spill** : Wear appropriate protective clothing. Isolate leaking containers and stop leak if safe to do so. Contain in a bund using sand and earth to prevent runoff. Use a scoop to recover as much material as possible for reuse. Discard unrecoverable material at approved land waste site.
- Small spill** : Wipe up residue with a cloth and dispose of in a waste bin.

### FIRE/EXPLOSION HAZARD

- Fire/Explosion Hazard**: Low hazard heating can cause expansion or decomposition leading to rupture of containers.
- Extinguishing Media** : Extinguish the fire using (CO<sub>2</sub>), dry chemical or foam.
- Breathing Apparatus** : Use self contained breathing apparatus if risk of exposure to burning containers.
- Hazardous Reaction** : CONDITIONS TO AVOID: None.  
INCOMPATIBLE MATERIALS: Not known.  
HAZARDOUS POLYMERISATION : Will not occur.
- Hazchem Code** : None allocated.

## OTHER INFORMATION

- Toxicology** : No data supplied
- Ecological Effects** : Avoid contact with plant life in undiluted form.
- Pkg & Labelling** : N/A

## CONTACT POINT

- Contact** : Aligned International Services Corporation
- Telephone** : +66 (0)85 112 4467

The information herein is given in good faith, no warranty expressed or implied is made.  
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