

# MATERIAL SAFETY DATA SHEET

## SeaChange KFF™

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** .....SeaChange KFF  
**Chemical Name** .....Liquid Kelp & Fish Hydrolysate  
**Other Name/s** .....Not applicable.  
**Supplier**.....Zylem (Pty) Ltd  
Unit 20, 3 Cascades Crescent, Pietermaritzburg, KZN,  
South Africa  
  
**Telephone Number**.....+27 (33) 3472893  
**E-mail:**.....shannont@zylemsa.co.za  
**Emergency telephone No.**.....+27 83 264 6816  
**Website** .....www.zylemsa.co.za

#### Emergency Contact

**Police**.....10111  
**For emergency response**.....1022  
**Poison Information Centre**.....0800 333 444

**Recommended Use**.....Fertiliser

### 2. HAZARDS IDENTIFICATION

**Hazard Classification**.....Non- Hazardous

Classified as a non-hazardous substance according to the  
Criteria of NOHSC.  
Not classified as a scheduled poison according to the  
SUSMP (Standard for the Uniform Scheduling of Medicines  
And Poisons).

**Risk Phrase (s)** .....None  
**Safety Phrase (s)**.....None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Proprietary mix of non-hazardous fertiliser ingredients – 100%

### 4. FIRST AID MEASURES

**Eye Contact**.....In case of contact with eyes, rinse immediately with plenty

	Of water for at least 15 minutes and contact a physician if irritation occurs.
<b>Inhalation</b> .....	Remove to fresh air. Get medical attention if irritation Occurs or breathing difficulty develops.
<b>Ingestion</b> .....	Rinse mouth with water and consult a physician.
<b>Skin Contact</b> .....	Wash with water. If symptoms such as redness or irritation Occur, consult a physician.
<b>Recommended First Aid Facilities</b> .....	Due to the nature of this product there are no specific first Aid facilities required.
<b>Advice to Physician</b> .....	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Flammability</b> .....	Non-flammable and non-combustible. Fire fighters Recommended to wear SCBA in confined spaces in Oxygen deficient atmospheres or exposed to products of Decomposition.
<b>Extinguishing Media</b> .....	Use extinguishing media suitable for surrounding fire Situations.
<b>Hazchem Code</b> .....	Not applicable.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b> .....	This product is not a Dangerous Good and is non-Hazardous, there are no specifically required emergency procedures.
<b>Methods and Material for Containment and clean up</b> .....	Wear protective clothing when cleaning up major spills, do Not contaminate streams or waterways. Wipe up with inert Materials and place in labelled containers for waste Disposal. Dispose of in compliance with local, state and Federal regulations.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b> .....	Product is non-toxic and non-hazardous, However avoid Contact with eyes and prolonged contact with skin. Prohibit eating, drinking and smoking in contaminated Areas.
<b>Storage</b> .....	Store in a cool, dry area in a sealed container. Do not Store in prolonged sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b> .....	None established .
<b>Biological Limit Values</b> .....	None established.
<b>Engineering Controls</b> .....	No special requirements
<b>Personal Protective Equipment</b> .....	No special requirements however individuals may wish to Wear safety glasses and suitable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> .....	Brown viscous liquid.
-------------------------	-----------------------

Odour.....	Fish odour.
pH.....	Approx. 3.5
Vapour Pressure.....	No data available.
Vapour Density.....	No data available.
Boiling Point.....	No data available.
Solubility in Water.....	Fully miscible.
Specific Gravity.....	Approx. 1.10
Flammability.....	Not flammable.

## 10. STABILITY AND REACTIVITY

Chemical Stability .....	Product is stable under ambient conditions.
Conditions to Avoid.....	Avoid extreme heat, flames and ignition sources.
Incompatible Materials.....	No information available.
Hazardous Decomposition Products.....	None known.
Hazardous Reactions.....	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

Oral Toxicity .....	Product is considered non-toxic and non harmful. No LD Data available.
Range of effects:	
Eye.....	May cause irritation.
Skin.....	Product is not an irritant, wash with water.
Inhalation.....	If heated, vapour or mist may cause slight irritation.
Ingestion.....	Product is considered non-toxic and non-harmful, however If large quantities are ingested, seek medical advice.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity.....	Not available.
Persistence and degradability.....	Not available.
Mobility.....	Not available.
Further information on ecology.....	Not available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods and containers

Product.....	When possible, product should be used for its intended Purpose including the rinsing of the container. Dispose of In accordance with all local, state and national regulations. Do not discard into drains or waterways.
Container.....	Triple or preferably pressure rinse containers before Disposal. Recycle containers if possible (replace cap and Return cleaned container to recyclers or collection point). If Not recycling, break, crush or puncture and bury empty Container in local authority landfill. If no landfill is Available, bury the containers below 500 mm in a disposal Pet specifically marked and set up for this purpose clear Of water ways, desirable vegetation and tree roots. Empty Containers and product should not be burned.

## 14. TRANSPORT INFORMATION

UN Number.....Not Applicable  
UN Proper Shipping Name.....Not Applicable.  
Class and Subsidiary Risk.....Not Applicable  
Packing Group.....Not Applicable.  
Special Precautions for User.....Not Applicable.  
Hazchem Code.....Not Applicable.

## 15. REGULATORY INFORMATION

Not Applicable.

## 16. OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

### Acronyms

CAS number.....Chemical Abstracts Service Registry Number.  
Hazchem Code.....Emergency action code of numbers and letters that  
Provide information to emergency services especially  
Firefighters.  
IARC.....Internationally Agency for Research on Cancer.  
NOSA.....National Occupational Safety Association.  
  
NOS.....Not otherwise specified.  
NTP.....National Toxicology Program (USA)  
R-Phrase.....Risk Phrase  
UN Number.....United Nations Number  
SUSDP.....Standard for the Uniform Scheduling of Drugs and  
Poisons.  
LD50.....Lethal Dose for 50% Mortality

## Disclaimer

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding the use of this data or the results to be obtained from use thereof. Zylem CC assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.