



MATERIAL SAFETY DATA SHEET

ECO OCEAN

Date of Issue: Feb 2019

STATEMENT OF HAZARDOUS NATURE

As the product is of varying composition it is not possible to classify it as a hazardous substance according to Worksafe criteria.

COMPANY DETAILS

| | |
|-----------------------------|--|
| Company: | Atlantic Fertilisers, a division of Hero Fuels (Pty Ltd) |
| Address: | Frederickskraal, Philadelphia 7304 |
| Telephone Number: | +27 21 972 1013 |
| Emergency Telephone Number: | +27 21 972 1013 after hours 0828074848 |
| Fax Number: | 086 509 8345 |

IDENTIFICATION

| | |
|-----------------------------|----------------|
| Product Name: | Eco Ocean |
| Other Names: | Not applicable |
| Manufacturers Product Code: | B4842 |

| | |
|--------------------------|----------------|
| Dangerous Goods Class: | Not applicable |
| Hazchem Code: | Not applicable |
| Poisons Schedule Number: | Not scheduled |
| Use: | Fertiliser |

Physical Description/Properties

| | |
|------------------------------|------------------------------|
| Appearance: | Dark brown pelletised manure |
| Boiling Point/Melting Point: | No data |



Vapour Pressure: No data
Specific Gravity: No data
Flashpoint: Not applicable
Flammability Limits: Not applicable
Solubility in Water: Slightly soluble

Other Properties: Ingredients

| Chemical Name | CAS Number | Proportion (%) |
|--------------------------|----------------|----------------|
| Composted Chicken Manure | Not applicable | >70 |

As chicken manure is a biological product the composition will of necessity vary and as such, may contain the following minerals and trace elements at minimum levels:-

Mineral or Trace Element
Minimum Level (%)

| Mineral or Trace Element | Minimum Level (%) |
|--------------------------|-------------------|
| N/P/K | 2.7:1.5:2.5 |
| Sulphur | 9 g/kg |
| Calcium | 35 g/kg |
| Zinc | 500 mg/kg |
| Magnesium | 7 g/kg |

HEALTH HAZARD INFORMATION

Health Effects:

Acute

Swallowed: Moderately harmful if swallowed. Symptoms of ingestion include cramps, nausea, diarrhoea and vomiting.

Eye: Causes eye irritation.

Skin: Mild irritation with prolonged or repeated skin contact.

Inhaled: Mild respiratory tract irritation

Chronic: The risk to health of handling processed chicken will depend on the level of exposure, the additive, synergistic or antagonistic interactions of the various ingredients and the susceptibility or sensitivity of exposed individuals.

First Aid

Swallowed: If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF.



Eyes: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Skin: Wash with soap and water. Remove contaminated clothing and wash clothing before re-use. If redness or irritation persists, seek medical attention. Inhaled: If person experiences symptoms of irritation move to fresh air. Seek medical attention if irritation continues.

First Aid Equipment: Eyewash stations and washing facilities should be readily available to areas of heavy use.

Advice to Doctor: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards: There is no Worksafe South Africa exposure standard for this product. For dust where no specific exposure standard has been assigned and the substance is both on inherently low toxicity and free from toxic impurities, the recommended exposure standard for dust in general is 10mg/m³, measured as inseparable dust. This exposure standard is expressed as a time weighted average (TWA) airborne concentration over an eight-hour working day, for a five day working week.

Engineering Controls: Natural ventilation is adequate with normal use of this product.

Personal Protection: Avoid inhaling dust. Where airborne concentrations exceed the exposure standard, respirators to SABS standards must be provided. Consideration must be given to those people with beards, where a good fit and seal is not likely. For high exposure concentrations a half-face or full-face respirator with an airline will need to be provided.
Wear an industrial clothing (coveralls) and gloves. When handling liquid material wear apron and boots. Work clothing should be changed daily and laundered if it is contaminated.
Use safety goggles or face shield to prevent eye contact with Eco Ocean. Avoid wearing contact lenses as they may contribute to the severity of an eye injury.
When using do not eat, drink or smoke. Wash hands thoroughly before smoking or using toilet facilities. Eyewash stations, safety showers and washing facilities should be readily available to areas of use.



Flammability: Not flammable.

SAFE HANDLING INFORMATION

- Storage and Transport:** Not classified as a dangerous good. Avoid exposure to extreme conditions such as heat, moisture, sunlight or contaminated substances. Keep out of reach of children. Store in a cool, dry place. Wash hands with soap and water after handling product or containers.
- Spills:** Minimise the generation of dust and scoop up material and place in labelled containers for re-use or disposal. Wear recommended protective clothing. Prevent, where possible, the spill from entering drains, sewer, storm water and watercourses.
- Disposal:** This material should be recycled. Do not contaminate water courses such as streams, creeks and rivers. Waste material should be disposed of following local, state and National EPA regulations.
- Fire/Explosion Hazard:** This material is not flammable. If involved in a fire the following toxic decomposition products can be produced: carbon monoxide, carbon dioxide, nitrogen oxides, ammonia, sulphur oxides and other toxic compounds.
Contact the Fire Authority. Do not attempt to fight the fire unless adequately trained to do so. Wear full protective clothing,, including breathing apparatus. Use water delivered as a fine spray to control the fire and cool adjacent area. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from the path of fire. Do not approach containers suspected to be hot. Prevent, if possible, spillage and fire water from entering drains and watercourses.

OTHER INFORMATION

Atlantic Fertilisers and the authors believe that the information contained herein is reliable and accurate. It is intended for use by skilled persons at their own risk. Atlantic Fertilisers makes no warranty with respect thereto and expressly disclaims all liability and reliance thereon. Such information is solely for your consideration, investigation and verification. The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in any other material or in any process.

CONTACT POINT

Kobus Herholdt
Director
Atlantic Fertilisers div of Hero Fuels (Pty) Ltd
Frederickskraal, Philadelphia 7304
Phone: +27 21 972 1013
Fax: 086 509 8345
Email: info@atlanticfertilisers.co.za
Website: www.atlanticfertilisers.co.za