



# MATERIAL SAFETY DATA SHEET

## WONDER VITABOOST ORGANIC FERTILISER

**Date Issued:** May 2014

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**Revision No.:** 3

**Print Date:** 20/11/18

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** WONDER VITABOOST ORGANIC FERTILISER

**SUPPLIER:** EFEKTO

PO BOX 652147

BENMORE

2010

**TEL No.** 011 287 5700

#### EMERGENCY TELEPHONE NUMBERS:

**SPILLAGES:** 083 1233 911

**Fax:** 086 685 3129

**POISONINGS:** **086 199 9071**

**Tygerberg Hospital National Poison Centre** 021-9316129 (all hours).

**Griffon Poison Centre** 082 446 8946

**Use:** Weed free composted manure for use in home gardens or small holdings.

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### 2. HAZARDS IDENTIFICATION

- May cause irritation.

#### Likely routes of exposure:

Skin and eye contact, ingestion and inhalation.

#### Ingestion:

Unlikely under normal conditions. Swallowing compost may cause abdominal discomfort and increase the risk of gastro-intestinal infections.

#### Eyes:

The dust may be irritating to the eyes resulting in redness and watering, or eye infection.

#### Skin:

Skin contact with this product and dust may result in skin irritation and in some people may lead to skin sensitisation, dermatitis or skin infection.

#### Inhaled:

Inhalation of dust may irritate, inflame or sensitise the nose, throat and lungs, and aggravate pre-existing conditions such as asthma and bronchitis.

#### Chronic health effects:

Repeated inhalation of dust may result in respiratory irritation, inflammation or sensitization resulting in illnesses ranging from hay fever and asthma to pneumonia (eg Legionnaire's disease) and pneumonia-like illnesses. The elderly, those with pre-existing respiratory diseases and the immuno-compromised are at particular risk from these illnesses. All people working with these and other landscaping and horticultural products should ensure that they are adequately protected from tetanus.

**UN No.:** Not regulated.

**Risk Phrase:** R22; R36/38



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Active ingredients:

Active ingredients.	CAS No.:	EC No.:
Chicken manure compost.	-	-

**Components:** It is a blend of naturally occurring materials including: plant mulch, top soil, sand, chicken manure and mushroom compost.

**Approximate ratio of N:P:K:** 2:1:1+ Micro-nutrients.

**Chemical Name:** N [Nitrogen]; P[Phosphate] K[Potassium]

**Chemical Family:** Fertilizer

**Chemical Formula:** N<sub>2</sub>; PO<sub>4</sub> K<sup>+</sup>

**NIOSH/RTECS No.:** Not available.

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### 4. FIRST-AID MEASURES

Fertilizers are basically harmless products when handled correctly.

**Skin Contact:**

Wash the affected area with soap and water.

**Eye Contact:**

Flush/irrigate eyes with copious amounts of water for at least 10 minutes.

Obtain medical attention if eye irritation persists.

**Ingestion:**

Do not induce vomiting. Give water or milk to drink.

Obtain medical attention if more than a small quantity has been swallowed or when relevant symptoms occur after swallowing.

**Inhalation:**

Remove from source of exposure. Obtain medical advice if ill effects occur.

**Advice to physician:** No antidote. Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

**Extinguishing agents:**

Extinguish small fires with water, carbon dioxide, dry powder, or alcohol-resistant foam.

**Firefighting:**

Remove containers from fire area if possible. Contain fire control agents for later disposal. Use a recommended extinguishing agent. Water can be used to cool unaffected containers. Avoid inhaling hazardous vapours. Keep upwind.

**Hazardous Decomposition Products:** If heated to decomposition, may give off ammonia and formaldehyde as well as oxides of sulfur, manganese, magnesium, iron, potassium and phosphorus.

**Personal protective equipment:**



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Fire may produce irritating or poisonous vapours, mists or other products of combustion. Fire fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

**Spillage:**

Any spillage of fertilizer should be swept up and placed in a clean, labelled open container for safe disposal. Depending on the degree and nature of contamination, dispose of by use as a fertilizer or to an authorized waste facility.

Take care to avoid the contamination of watercourses and drains and inform the appropriate authority in case of accidental contamination of watercourses.

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### 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet

**Storage:**

Keep product in a dry place. Fertilizer granules deteriorate in damp conditions.

Keep containers tightly closed, in a well-ventilated place. Store away from food, drink and animal feeding stuffs.

Keep away from children and unauthorised adults. Adhere to local regulations.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits:**

There is no specific standard for organic fertilizers.

Keep exposures as low as practicable.

**Engineering controls:**

All work should be carried out in such a way as to avoid skin contact and minimize exposure to dust.

**Respiratory protection:**

Avoid breathing dust. Wear an approved respirator.

**Precautionary and engineering measures:**

Avoid contact and provide ventilation where necessary.

**Personal Protection:**

Wear suitable gloves when handling the product over long periods.

After handling product, wash hands and observe good hygiene practice.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Compost.

**Colour:** Light brown.

**Odour:** Humus type.

**Flammability:** Not Flammable.

**Explosive properties:** No data.

**Bulk Density:** Varies with moisture content.

**pH:** Not applicable.

**Solubility at 20 °C (g/L):** The N:P:k is totally water soluble.



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### 10. STABILITY AND REACTIVITY

**Storage stability:**

Stable for up to 2 years under normal dry, shaded warehouse conditions.

**Conditions to avoid:** None.

**Incompatibility:** No information.

**Hazardous decomposition products:** No information.

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### 11. TOXICOLOGICAL INFORMATION

**Acute oral LD<sub>50</sub>:** No Data.

**Acute dermal LD<sub>50</sub>:** No Data.

**Acute inhalation LC<sub>50</sub>:** Could cause irritation.

**Acute skin irritation:** May irritate the skin with prolonged contact.

**Acute eye irritation:** Dust could cause irritation.

**Dermal sensitization:** No information.

**Chronic Health Effects:**

The repeated inhalation of dust from these products may lead to respiratory irritation, inflammation or sensitisation and illnesses such as asthma, bronchitis, pneumonia or other pneumonia-like illnesses (e.g. Legionnaires disease). Children, pregnant women, the elderly, people with pre-existing conditions or the immunocompromised, may be at a particular risk from these illnesses if exposed to this product.

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### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGY:**

**Persistence/ Degradability:** Not harmfully persistent, no harmful degrading.

**Mobility:** Only mobile in significant water.

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### 13. DISPOSAL CONSIDERATIONS

**Fertilizer disposal:**

Dispose of by use as fertilizer by spreading or send it to an authorized waste facility.

**Packaging:**

Emptied containers retain vapour and product residues. Observe all labeled safeguards until container is destroyed. Combustible containers should be disposed of in pesticide incinerators.

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### 14. TRANSPORT INFORMATION

UN No.: Not regulated.

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### 15. REGULATORY INFORMATION

**Symbol:** None

**Risk phrases:**

**R22** Harmful if swallowed.

**R36/38** Irritating to eyes and skin.



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**Safety phrases:**

**S 1/2** Keep locked up and out of reach of children.

**S24/25** Avoid contact with skin and eyes.

**National legislation:** In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)

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### 16. OTHER INFORMATION

**Compiled by:** Danie Fourie

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

### REFERENCES

- Similar product MSDS.
- Rivcow Environmental Pty Ltd, Australia, Compost/Soil conditioner MSDS Sept, 2009
- ADR 2011, Part 3.
- IMDG Code, 2005 Edition, Vol. 2.
- IATA Dangerous goods regulations, Effective 1 January 2011

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**END OF MSDS.**