THE GREENER FERTILIZER OPTION

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MATERIAL SAFETY DATA SHEET

2536340 DEHNER Düngestäbchen ORCHIDEEN 24 st Markenqualität

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier:	Dehner Orchideen fertilizer sticks for indoor plants
Product use:	For fertilizing house plants
Manufacturer's name:	The Greener Fertilizer Option Pty (Ltd)
Street address:	325 Derdepoort Rd, Silverton.
City:	Pretoria
Country:	South Africa
Postal code:	0184
Date of MSDS:	18-06-2010
MSDS prepared by:	W P Boshoff
Phone number:	012 804 1412

Ingredients:

Active ingredients	%	CAS No.	LD 50	LC 50
Nitrogen	8	Not registered	No data	No data
Phosphate	10	7758-87-4	No data	No data
Potassiumsulphate	10	77708-80-5	No data	No data
Binder (Proprietary)	15	Not registered	No data	No data

Chemical name: **N (Nitrogen); P (Phosphate); K (Potassium)**
Chemical family; **Fertilizer**
Chemical formula; **N; P_2O_5; K_2O**

SECTION 3 – HAZARDS IDENTIFICATION

Human health:
Low toxicity and basically harmless
Skin contact:
Extremely few cases of mild skin irritation has been reported
Eye contact:
No cases of irritation has been reported
Ingestion:
Small quantities are unlikely to have any effect
Large quantities could cause gastro-intestinal irritation
Inhalation:
Not possible
Long term effects:
No negative effects reported

SECTION 4 – FIRST AID MEASURES

These sticks are harmless when used correctly
Skin contact:
Wash areas of contact with soap and clean water
Eye contact:
Flush eyes with water
Ingestion:
Do not induce vomiting. Drink water or milk.
Obtain medical attention if very large amounts have been ingested or if any other relevant symptoms occur.
Inhalation:
In the unlikely event of inhalation, remove from source and allow breathing of fresh air.
Medical advice:
There is no known antidote. Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

Not combustible.
Extinguishing agents:
Water, dry powder, carbon dioxide, alcohol-resistant foam.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Any spillage of sticks should be swept up and kept in an open container for safe disposal.
Any spillage can be used as a fertilizer or should be removed to an authorized waste dump.

SECTION 7 – HANDLING AND STORAGE

Handling:
Avoid eye contact. Wash skin contact area before eating, drinking, smoking and toilet use.
Storage:
Store under cover. Well ventilated. Keep containers closed. Store away from food, drink, children and pets.
Adhere to local regulations

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limit;
No official limit.
Precautionary measures:
Avoid unnecessary contact and inhalation
Personal protection:
Gloves and suitable eye-protection could be worn if product is to be handled over very long periods.
Exercise normal personal hygiene

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid fertilizer stick.
Size: 47 mm x 5-6 mm
Colour: Purple
Odour: None
Flammability: Not flammable
Explosive properties: Non hazardous
Bulk density: Not tested
Solubility: Water soluble

SECTION 10 – STABILITY AND REACTIVITY

Storage stability:
Stable for up to 5 yrs if kept dry.
Incompatability:
May have a long term corrosive effect if stored in contact with metals.
Hazardous decomposition products:
Extremely small quantities of oxides of Nitrogen and Sulphur

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute oral LD_{50}: No data
Acute dermal LD_{50}: No data
Acute inhalation LC_{50}: No information
Acute skin irritation: No adverse effects reported
Acute eye irritation: May cause eye irritation
Dermal sensitization: No information
Carcinogenicity/Teratogenicity/Mutagenicity: No information

SECTION 12 – ECOLOGICAL INFORMATION

No specific data available.
As an indoor plant fertilizer it should not be problematic to the environment when used as recommended.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product disposal:
Dispose of by using as a fertilizer or to an authorized waste facility.
Packaging disposal:
PET Blister: Biodegradable and can be re-cycled
Cardboard: Recycle

SECTION 14 – TRANSPORT INFORMATION

UN Number: None

SECTION 15 – REGULATORY INFORMATION

Symbol:	None
Risk phrases:	As per EU Dir 67/548/EEC R21/22, R36,R38
Safety phrases:	As per EU Dir 67/548/EEC S1/2, S13, S20/21,S25/26,S28,S62,S63

SECTION 16 – OTHER INFORMATION

Compiled by: W Boshoff

Information contained herein is based on current available scientific and technical knowledge as well as personal experience. The information is presented in good faith and is believed to be correct. This information relates to this specific product only.

The responsibility for the correct application, handling, disposal and use of this information rests with the persons in receipt hereof.

References:

Similar product SMDSe
ADR 2011, Part 3
IMDG code, 2005, Vol 2
IATA DGR, 1 January 2011

End MSDS