

HYGROTECH

SUSTAINABLE SOLUTIONS

MATERIAL SAFETY DATA SHEET

No:
Date issued: April 2010
Page 1 of 4

COMPANY DETAILS

Name: HYGROTECH PROPERTIES (PTY) LTD	Emergency telephone no. +27 12 545 8000
Address: P O Box 17220, PRETORIA NORTH, 0116 SOUTH AFRICA	e-mail: chem@hygrotech.co.za
Tel: +27 12 545 8000	Fax: +27 12 545 8088

1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: HYGROMIX	Chemical abstract no: Not applicable
Component: Nuisance dust	NIOSH no.
Identification: Growing medium	Hazchem code:
Product uses: Horticulture	UN no: None allocated

2. COMPOSITION

Hazardous components:	This product is not considered to be hazardous in accordance with the OSHA Hazard Communication Standard 29 CFR 1910.1200, Health Hazard. The product is classified by ACGIH as a "Nuisance Dust" or "Particulates Not Otherwise Classified" (PNOC). See product label for ingredients and product specific information.
OSHA PEL	Total: 15 mg/m ³ Respirable: 5 mg/m ³
ACGIH TLV	Total: 3 mg/m ³ Respirable: 10 mg/m ³
EEC classification:	
R Phases:	

3. HAZARDS IDENTIFICATION

Effects of exposure: Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membranes and make lungs more vulnerable to respiratory disease.

Routes of entry: Inhalation, open wounds and eyes.

Carcinogenity: None known.

4. FIRST AID MEASURES

INHALATION:	If inhaled, provide fresh air.
CONTACT WITH SKIN:	Keep open wounds covered and clean as suggested by any good program of hygiene.
CONTACT WITH EYES:	If eye irritation occurs, flush with water.
INGESTION:	None

5. FIRE-FIGHTING MEASURES

FLASH POINT:	Not applicable.
FLAMMABLE LIMITS:	Not applicable.
EXTINGUISHING MEDIA:	Water, fog or spray.
SPECIAL FIRE FIGHTING PROSEDURES:	None. Caution, burning may continue inside bags or piles after surface fire is out. Break bags or separate pile to assure that the fire is extinguished. The thermal decomposition products are those commonly observed with natural products such as wood or other vegetative matter.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Protective eyewear should be worn where dust levels are high enough to cause irritation.
ENVIRONMENTAL PRECAUTIONS:	Keep out of lakes, streams or ponds.
SPILLS:	Use methods to clean spill which avoid creating airborne dust.

7. HANDLING AND STORAGE

SUITABLE MATERIAL:	Plastic bag.
HANDLING/STORAGE PRECAUTIONS:	If excessive dust is created avoid breathing dust by using adequate ventilation and/or using NIOSH or MSHA approved respirator for nuisance dust of this type. Breathing dust may be harmful to your health.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:	Local exhaust advisable if excessive dust is created.
Personal protection - respiratory:	If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.
Personal protection – hand:	Not normally necessary but suggested in cases of open wounds that are not appropriately protected.
Personal protection - eye:	Protective eyewear should be worn where dust levels are high enough to cause irritation.
Personal protection - skin:	Normal work clothing.
Work/Hygienic practices:	NIOSH or MSHA approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.
Other concerns:	Keep out of reach of children and pets.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	
Physical state:	Solid.
Appearance:	Granular with fibers.
Colour:	Tan to brown, earthy colour.

pH:	5.0 – 5.5
Odour:	None
Boiling point:	Not applicable.
Boiling point range:	Not applicable.
Melting point:	Not applicable.
Flash point:	Not applicable.
Flammability:	Non-flammable.
Auto-flammability:	Not applicable.
Explosive properties:	Not applicable.
Oxidizing properties:	
Vapour pressure:	Not applicable.
Vapor density:	Not applicable.
Density:	239.13 g/L
Bulk density:	
Molecular weight:	
% Volatiles:	Not available.
Evaporation rate:	Not applicable.
Freezing point:	Not applicable.
Specific gravity:	Not applicable.
Solubility – water:	Not applicable.
Solubility – solvent:	Not applicable.
Solubility – coefficient:	
Viscosity:	Not applicable.
Neurotoxicity:	None known.

10. STABILITY AND REACTIVITY

STABILITY:	Stable.
CONDITIONS TO AVOID:	See label. Keep away from heat, sparks and open flames.
INCOMPATIBILITY:	None known.
INCOMPATIBLE MATERIALS:	None known.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	High temperatures or fire may produce irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

General comments: Inhalation of dust may irritate nose, throat and lungs. Eye contact with solids may produce irritation, tearing or blinking as a foreign body in the eye.

Supplemental information: These materials are made from natural products and may contain naturally occurring microorganisms. Proper precautions are advised to prevent infection of open wounds, inhalation of excessive amounts of dust and eye irritation. The proper hygiene practices necessary to prevent health hazards from any naturally occurring substance such as soil, bark, etc., should be observed.

12. ECOLOGICAL INFORMATION

Not a hazardous product. But keep out of lakes, streams or ponds.

13. DISPOSAL CONDITIONS	
Disposal methods:	According to EPA 40 CFR 261.3, waste of this product is not defined as hazardous. Dispose of all waste in accordance with federal, state and local regulations.
Disposal of packaging:	Disposal in accordance with local legal provisions.

14. TRANSPORT INFORMATION	
UN No.	None allocated.
Substance identity no.	
ADR/RID class:	
ADR/RID hazard identity no:	
IMDG – shipping name:	
IMDG – class:	
IMDG – packaging group:	
IMDG – marine pollutant:	
IMDG – EMS no:	
IMDG – MFAG table no:	
IATA – shipping name:	
IATA – class:	
IATA – subsidiary risk(s):	
ADNR – class:	
UK – description:	
UK – emergency action class:	
UK – classification	
Tremcard no:	

15. REGULATORY INFORMATION	
EEC hazard classification:	
Risk phases:	
Safety phases	
National legislation:	

16. OTHER INFORMATION	
All information given in this data sheet is to the best of our knowledge. Because of the nature of the product, the user assumes all risk with respect to it. The data in this safety data sheet refer to the above product, but may not be valid for combination with other products or any other process. This data shall describe our product referring to questions of safety, but not declaration of quality or properties.	