

# MATERIAL SAFETY DATA SHEET

Date of issue 24.05.04 (Supercedes all previous issues)

## 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

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PRODUCT NAME AND BRAND : **ROOT DEVELOPER PLUS**  
SUPPLIER : 4 Perfect Turf Ltd  
ADDRESS : Northgate White Lund Industrial Estate Morecambe LA3 3PA  
CONTACT Nos : Daytime 01524 381 999

## 2 COMPOSITION - INFORMATION ON INGREDIENTS

### CHEMICAL NAME

A mixture soluble trace elements.

## 3 HAZARDS IDENTIFICATION

### HARMFUL

HAZARD SYMBOL: Xn

RISK PHRASES: R22 HARMFUL IF SWALLOWED

## 4 FIRST AID MEASURES

EYES : Contact with eyes may cause IRRITATION. If symptoms persist seek medical aid.  
Irrigate with copious amounts of EYEWASH or clean water for 10 minutes minimum.

SKIN : Contact with skin may cause IRRITATION. If symptoms persist seek medical aid.  
Wash immediately with soap and rinse with copious amounts of water.

INHALATION : Remove to fresh air.

INGESTION : May cause. Nausea and vomiting.  
Do not induce vomiting. Give copious amounts of water to drink.  
If vomiting occurs place patient in the recovery position. Seek medical aid.

## 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Use extinguishing media suitable for surrounding fire conditions

SPECIAL FIRE FIGHTING PROCEDURES : Wear self contained breathing apparatus.

HAZARDOUS ON DECOMPOSITION : Non combustible but does not present any particular risk in the event of fire.

## 6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS : Avoid contact with skin and eyes

SMALL SPILLAGE OR LARGE SPILLAGE : DO NOT discharge into drains or sewers.  
Absorb product with sand or earth and dispose of at a licence site.  
Wash the floor with plenty of water.

## 7 HANDLING AND STORAGE

USAGE PRECAUTIONS : Wear full overall protective clothing, PVC or rubber Gloves and Boots.  
: Take all measures to ensure against accidental discharge of product into drains

STORAGE PRECAUTIONS : Keep sealed in original containers. Store in frost-free conditions above 2°C.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS : Apply COSHH assessment according to standard (OES) EH 40/94

EXPOSURE LIMITS : None available.

PROTECTIVE EQUIPMENT : Wear full protective overall clothing.

HANDS AND FEET : Wear PVC or rubber gloves and Boots

EYES AND FACE : Wear Face shield or goggles to BS 2092

RESPIRATION : Wear self contained breathing apparatus in confined conditions or Fume mask to BS 2091..

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Dark Brown Liquid

SOLUBILITY : Fully miscible with water

pH (1:100 solution) : 5-7

## 10 STABILITY AND REACTIVITY

STABILITY : Stable in normal ambient conditions.

MATERIALS TO AVOID : Strong alkalis, aluminium, zinc, copper, nickel and their alloys

HAZARDOUS DECOMPOSITION : Thermal decomposition of solid content produce ammonia and nitrogen oxides.

## 11 TOXICOLOGICAL INFORMATION

Excessive exposure may cause temporary irritation to ocular mucous membrane.

## 12 ECOLOGICAL INFORMATION

PRECAUTIONS : Advise relevant authorities immediately if water sources and soil is contaminated.  
DEGRADABILITY : Slowly biodegradable. Not bio accumulative.  
AQUATIC TOXICITY : No information available.

## 13 DISPOSAL CONSIDERATIONS

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DISPOSAL METHODS : Discharging waste into rivers and drains is forbidden. Dispose of at licence site.  
: Large quantities require controlled waste disposal in accordance with  
CONTROL OF POLLUTION ACT 1974 and SPECIAL WASTE REGULATIONS 1980.  
PACKAGING : Do not re-use packaging for any other purpose.  
Dispose of used packaging in accordance with SPECIAL WASTE REGULATIONS 1980..

## 14 TRANSPORT INFORMATION

TRANSPORT : MATERIAL IS NOT CLASSIFIED AS HAZARDOUS OR DANGEROUS FOR TRANSPORT  
ACCORDING TO CURRENT INTERNATIONAL REGULATIONS.

LAND-ROAD-RAIL (RID/ADR): UN No.  
SEA (IMO/IMG):  
AIR (ICAO/IATA): Item No.  
Hazard No.  
Hazchem Code:  
Packaging Group:  
Tremcard No.  
Marine:

## 15 REGULATORY INFORMATION

LABELLING EEC REGULATIONS: MATERIAL IS CLASSIFIED BY CHIP REGULATIONS FOR SUPPLY AS FOLLOWS;  
HARMFUL  
HAZARD SYMBOL: Xn  
RISK PHRASES: R22 HARMFUL IF SWALLOWED

## 16 OTHER INFORMATION

DATA SOURCES: MANUFACTURERS INFORMATION, CURRENT LEGISLATION AND REGULATIONS,  
SAX-DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS

### VALIDITY

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue .However, the information may neither be exhaustive or complete, and No Warranty, guarantee or Liability concerning the accuracy or completeness of the information is expressed or implied.

### RESPONSIBILITY

It is the users Risk and sole responsibility to Verify and Satisfy their own Criteria and Duty of Care concerning the validity of the information in relation to their application of the product.

### ISSUE INFORMATION

Date: 25.05.04  
Prepared by: GCL  
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