

Issue Date : November 2007

ISSUED by TRANQUI

Product Name : **Dutch Master GOLD NUTRIENT GROW PART A**

Not classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name** Dutch Master GOLD NUTRIENT GROW PART A  
**Product Use** Primary source of mineral nutrition for hydroponically grown plants. Diluted at ratio of 1:200 for use. Use in conjunction with Part B.

**Company Name**  
**Address**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients Name                            | CAS        | Proportion | Hazard Symbol | Risk Phrase   |
|---|------------|------------|---------------|---------------|
| Ingredients determined not to be hazardous. |            | 60-100 %   |               |               |
| Calcium nitrate                             | 13477-34-4 | 5-14.99 %  | Xi, O         | R36/38, R8    |
| Potassium nitrate                           | 7757-79-1  | 1-9.99 %   | Xi, O         | R36/38, R8    |
| Magnesium nitrate                           | 13446-18-9 | 1-4.99 %   | Xi, O         | R36/37/38, R8 |

## 3. HAZARDS IDENTIFICATION

**Human Health** No specific hazards under normal use conditions.  
**Effects** Prolonged or repeated exposure may irritate the skin.  
**Safety Hazards** Not classified as flammable or combustible.  
**Environmental Hazards** Not classified as dangerous to the environment.

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. If symptoms develop seek medical attention.  
**Ingestion** Do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.  
**Skin** Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.  
**Eye** If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.  
**First Aid Facilities** Normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Use media suitable for surrounding area.  
**Specific Methods** Not combustible. Contains nitrates, if aqueous portion evaporates then material may accelerate burning when involved in a fire.  
**Specific Hazards** Self-contained breathing apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

## 6. ACCIDENTAL RELEASE MEASURES

**Other Information** Increase ventilation. Evacuate all unnecessary personnel. Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Mop up material and place into the same container.

## 7. HANDLING AND STORAGE

**Handling** When dealing with large quantities, repeated or prolonged exposure without protection should be avoided.  
**Storage** Store in a cool, dry, well ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in suitable, labelled containers.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**Exposure Limits** No exposure limits have been established for this material.

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**Respiratory Protection** Not normally required. Where ventilation or engineering controls are not effective in controlling airborne exposure then an approved respirator should be used.

**Eye Protection** Safety glasses with side shields or goggles should be worn.

**Hand Protection** Where skin contact is likely to be prolonged or repeated impervious PVC or nitrile rubber gloves are recommended

**Body Protection** Overalls or similar protective clothing.

**Eng. Controls** Where excessive vapours or mists are generated, the use of respiratory protection, or a local exhaust ventilation system is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Reddish clear solution.

**Melting Point** Not available.

**Boiling Point** Not available.

**Solubility in Water** Soluble.

**Specific Gravity (H<sub>2</sub>O=1)** Approx. 1

**pH Value** 5.9

**Vapour Pressure** Not available.

**Flash Point** Not applicable.

**Flammability** Not combustible.

**Flammable Limits** Not applicable.

**LEL**

**Flammable Limits** Not applicable.

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## 10. STABILITY AND REACTIVITY

**Stability S** Stable under normal conditions of storage and handling.

**Hazardous** Will not occur.

**Polymerization**

**Materials to Avoid** Reducing materials.

**Hazardous** Hazardous decomposition products include oxides of nitrogen.

**Decomposition**

**Products**

## 11. TOXICOLOGICAL INFORMATION

**Toxicology** No toxicity data is available for this product.

**Information**

**Inhalation** Inhalation of product vapours may cause slight irritation of the upper respiratory tract.

**Ingestion** Ingestion of this product may irritate the gastric tract.

**Skin** The material may be slightly irritating to the skin.

**Eye** The material may be slightly irritating eyes.

**Chronic Effects** Prolonged or repeated skin contact may cause irritation.

## 12. ECOLOGICAL INFORMATION

No data available for this product.

**Environ. Protection** Avoid large quantities of this material from entering the environment.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** Dispose according to the local legislation.

## 14. TRANSPORT INFORMATION

Not dangerous for transport under UN, IMO, ADR/RID, ADG and IATA/ICAO codes.

**U.N. Number** None Allocated

**Proper Shipping Name** None Allocated

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DG Class None Allocated

## 15. REGULATORY INFORMATION

**Risk Phrase** Not classified.

**Safety Phrase** Not classified.

**Poisons Schedule** Not Scheduled

**Packaging & Labelling** No special packaging or labelling requirements.

## 16. OTHER INFORMATION

List of R Phrases in Section 2

R8 Contact with combustible material may cause fire.

R36/38 Irritating to eyes and skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

...End Of MSDS...