Material Safety Data Sheet

Issue Date : November 2009 ISSUED by TRANQUI

Product Name : **Dutch Master Gold Range ONE Flower**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name Dutch Master Gold Range ONE Flower

Product Use Primary source of mineral nutrition for hydroponically grown plants in the flowering or Fruiting stage. Diluted at ratio of 1:200 for use.

Company Name

Address

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phase
	Ingredients determined not to be hazardous.		60-100 %		
	Potassium nitrate	7757-79-1	1-6.99 %	Xi, O	R36/38, R8
	Calcium nitrate	13477-34-4	1-4.99 %	Xi, O	R36/38, R8
	Magnesium nitrate	13446-18-9	1-4.99 %	Xi, O	R36/37/38,R8

3. HAZARDS IDENTIFICATION

Human Health Effects No specific hazards under normal use conditions. 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 Self-contained breathing apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

Specific Hazards Not combustible. Contains nitrates, if aqueous portion evaporates then material may accelerate burning when involved in a fire.

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.

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	Red colored clear solution.
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble
Specific Gravity (H2O=1)	Approx. 1
pH Value	2
Vapour Pressure	Not available
Flash Point	Not applicable.
Flammability	Not combustible.
Flammable Limits LEL	Not applicable.
Flammable Limits UEL	Not applicable.

10. STABILITY AND REACTIVITY

Stability S	Table under normal conditions of storage and handling.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Alkaline materials.
Hazardous Decomposition Products	Hazardous decomposition products include oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this product.
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

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...