



Orbit

Ca+Mg

Material Safety Data Sheet

Issue: 01 - Oct 2009
Sheet 1 of 3

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product and Brand Name: Orbit Ca+Mg
Supplier: Indigrow Ltd
Address: The Old Bakery, Hyde End Lane, Brimpton, Berkshire, RG7 4RH
Contact Number Tel: +44 (0) 1189 710 995 Fax: +44 (0) 1189 710 990
Emergency Number Tel: +44 (0) 7725 962 366

2. COMPOSITION – INFORMATION ON INGREDIENTS

Chemical name	EU No.	CAS No.	Conc. %	Hazard	Risk
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Foliar fertiliser containing Calcium and Magnesium salts in an aqueous solution.

3. HAZARD IDENTIFICATION

Fire: Non-flammable.
Physical/Chemical: A non volatile aqueous solution which reacts with strong oxidising agents and acids.
Health: Irritating to eyes and to the skin with prolonged or repeated exposure.
Environment: Low - biodegradable.

4. FIRST AID MEASURES

Eyes: Contact with eyes may cause irritation. Keeping eyelids open, irrigate well with copious amounts of eye wash solution or clean water, without delay, for 15 minutes minimum. Obtain medical attention if symptoms persist.

Skin: Contact with skin may cause moderate irritation. Remove contaminated clothing, wash skin immediately with soap and rinse with copious amounts of water. Obtain medical attention if irritation occurs and persists.

Ingestion: Ingestion may cause burning of the throat. May cause nausea and vomiting. Do not induce vomiting. Wash out mouth with water and give plenty of water to drink. If vomiting occurs, place patient in the recovery position. Keep patient at rest and obtain medical attention at once.

Inhalation: Inhalation of concentrated vapour may cause irritation of nose and respiratory system. May cause dizziness and headache. Remove to fresh air. If symptoms persist obtain medical attention.

5. FIRE FIGHTING MEASURES

Exposure Hazard: If involved in a fire, although non-flammable, it will emit obnoxious and toxic fumes containing Ammonia, Hydrogen chloride, ammonium chloride and chlorine. Fire fighting personnel should wear standard chemical-resistant protective suit and self-contained breathing apparatus.

Suitable Extinguishers: Fight fire with foam, water spray, carbon dioxide or dry powder, as suitable for other, combustible, materials involved.

Other Advice: If without risk, remove unopened packages from exposure to fire. Otherwise spray unopened containers with water to keep cool.



Orbit

Ca+Mg

Material Safety Data Sheet

Issue: 01 - Oct 2009
Sheet 2 of 3

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions:	Prevent large spillages from entering drains or sewers (inform local water authority if this occurs).
Other Precautions:	Cordon off area and evacuate personnel if large spillage. Keep people and animals away.
Clean-Up Methods:	Dilute small spillages and flush to drain with copious amounts of water. Absorb and contain larger spillages with sand, earth or proprietary absorbent and dispose of safely.

7. HANDLING AND STORAGE

Handling:	No special precautions are necessary if unopened packs are handled with care. When handling in a usage context, wear full overalls, PVC or rubber gloves and boots. Wash hands thoroughly before eating, drinking or smoking and after work.
Storage:	Keep sealed in original containers. Store in frost-free conditions above 2°C. Store away from acids and oxidizing agents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Apply COSHH assessment according to standard (OES) EH 40/94.
Respiratory:	Not normally required.
Hands and Feet:	Wear PVC or rubber gloves or gauntlets and boots.
Eyes:	Wear face shield or goggles to BS 2092.
Skin:	Wear long sleeved overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red pink, slightly viscous aqueous solution
Odour:	Slight
Melting Point:	N/A
Freezing Point:	-2°C
Density (g/ml):	1.3 @ 20°C
Solubility in Water:	Completely miscible
pH (concentrate):	7.0

10. STABILITY AND REACTIVITY

Stability:	Stable in normal ambient conditions. Avoid frost
Materials to Avoid:	Store away from oxidizing agents and acids. Avoid materials which react with water.
Hazardous Decomposition Products:	None known

11. TOXOLOGICAL INFORMATION

Acute Toxicity:	No information available.
Acute Exposure Effects	
Inhalation:	Mildly irritating to the respiratory system
Eyes:	Moderate eye irritation
Skin:	Moderate skin irritation
Ingestion:	Possible nausea and vomiting



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Issue: 01 - Oct 2009
Sheet 3 of 3

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Low hazard
Degradation Soil DT50 (days): No data, but rapidly degrades in soil

13. DISPOSAL CONSIDERATION

Disposal Methods: Product requires 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.

15. REGULATORY INFORMATION

Labeling EEC Regulations: Material is not classified

16. OTHER INFORMATION

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. It is the user's 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 1 10/09 GCL
