



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** BVR Magnesium 300 SC  
**Chemical Name:** Magnesium Hydroxide  
**Formula:** MgOH  
**Approved Use:** Micro Nutrient  
**Supplier:** Barclay Chemicals Manufacturing Ltd.,  
Damastown Way  
Damastown Industrial Park  
Mulhuddart  
Dublin 15  
**Telephone No:** 01-8112900  
**Fax No:** 01-8224678  
**Issued By:** Barclay Chemicals Ltd.

**EMERGENCY TELEPHONE NUMBER: 00-353-1-8112900 (9am to 5pm)**  
**00-353-863857769 (5pm to 9am)**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

No.	Name
1.	Magnesium Hydroxide
2.	Non ionic surfactant
3.	Sulphite lignin
4.	Ether phosphate (free acid)
5.	Mono ethylene glycol

No.	CAS No.	R Phrases	Concentration	Classification
1.	1309-42-4	Non hazardous	60-85%	Non hazardous
2.	---	22;38;41	1-10%	---
3.	8061-51-6	Non hazardous	1-10%	---
4.	---	38;41	1-10%	---
5.	0057-55-6	Non hazardous	20-50%	---

**Legend:** Tx = Very Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, Ik = No Classification Required, E = Explosive, O = Oxidising, Fx = Extremely Flammable, F = Very Flammable, Fo = Flammable, N = Dang. To the Environment, M = Genotoxic, A = Sensitizing, K = Carcinogenic, R = Causes birth defects, H = skin absorption

### 3. HAZARDS IDENTIFICATION

**Human**

May be irritating to skin and eyes

**Environment**

No information

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#### 4. FIRST-AID MEASURES

<b>General:</b>	In cases of serious personal contamination always seek medical help immediately
<b>Inhalation:</b>	Remove to fresh air. Seek medical attention if recovery is not rapid
<b>Skin Contact:</b>	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms occur.
<b>Eye Contact:</b>	Irrigate with clean water for at least 15 minutes. Seek medical attention if any discomfort.
<b>Ingestion:</b>	Drink plenty of water. DO NOT INDUCE VOMITING. If patient vomits turn into the recovery position. Obtain medical attention.
<b>Medical Information:</b>	For specialist advice doctors should contact the nearest <b>Poisons Information Centre</b> .

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#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use extinguishing media appropriate to the surrounding fire conditions
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Special Exposure Hazards:</b>	If involved in a fire harmful fumes may be evolved
<b>Protective Equipment:</b>	Protective clothing, gloves and self contained breathing apparatus should be worn.
<b>Special procedures:</b>	Avoid allowing fire fighting water to enter the environment

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#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes and clothing. Wear appropriate gloves, safety goggles and protective clothing.
<b>Environmental Precautions:</b>	Do not discharge into drains or rivers and prevent contamination of soil.
<b>Methods for Cleaning Up:</b>	Absorb the product onto inert porous material and place in appropriate closable container. Dispose of waste by an authorised disposal contractor. Refer to section 13 of this document

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#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Handle and use in accordance with good occupational hygiene and
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safety practise. Do not eat, drink or smoke at the workplace. Wear suitable protective clothing.

**Storage:**

Keep away from food, drink and animal foodstuffs. Product must only be kept in the supplier's packaging, which must be kept tightly closed. Store in a cool, dry, well ventilated area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Precautions:**

Wear suitable protective gloves and face protection when handling.  
When using do not eat, drink or smoke.  
Wash splashes from skin or eyes immediately  
Do not breathe spray. use a suitable face visor, gloves, oeralls and closed footwear.  
Keep away from animal feedstuffs.  
Wash hands before meals and immediately after work

**Keep out of reach of children**

**Protective Clothing:**

*Respiratory Protection:* If a spray mist is to be generated wear a suitable protective clothing.  
*Eye Protection:* Wear suitable face visor  
*Hand Protection:* Protective gloves should be worn.  
*Skin Protection:* Suitable overalls should be worn with closed footwear.

**Occupational Exposure Limits:**

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White viscous liquid
<b>Odour:</b>	Characteristic
<b>pH:</b>	6-8 (1% solution)
<b>Boiling Point/Boiling Range:</b>	Approx. 100°C
<b>Melting Point/Melting Range:</b>	-5°C
<b>Flash Point:</b>	Non applicable
<b>Flammability:</b>	Non applicable
<b>Auto flammability:</b>	Non applicable
<b>Explosive Properties:</b>	Non applicable
<b>Oxidizing Properties:</b>	No applicable
<b>Vapour Pressure:</b>	Minimal
<b>Relative Density:</b>	1.43
<b>Solubility (water):</b>	Miscible

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## 10. STABILITY AND REACTIVITY

<b>Conditions to Avoid:</b>	Mist, fume or vapour generation
<b>Materials to Avoid:</b>	Acids and oxidisers
<b>Hazardous Decomposition Products:</b>	Harmful fumes when in contact with acids
<b>Thermal Stability:</b>	Stable

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## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	LD <sub>50</sub> oral Rat : > 3000mg/kg
<b>Irritation:</b>	May cause eye and skin irritation. Not absorbed through skin
<b>Sensitisation:</b>	No information

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Non toxic
<b>Degradability:</b>	Insoluble in water
<b>Accumulation:</b>	No information

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## 13. DISPOSAL CONSIDERATIONS

<b>Product and Waste:</b>	Dispose of materials or solid residues at an authorised site in accordance with local regulations.
<b>Containers:</b>	Recycle after cleaning or dispose of at an authorised site

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## 14. TRANSPORT INFORMATION

<b>Special Transport Precautions:</b>	None
<b>Road/Rail Classification:</b>	No restrictions
<b>IMDG Classification:</b>	No restrictions
<b>Air Classification:</b>	No restrictions

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## 15. REGULATORY INFORMATION

**Classification:** Non Hazardous

### S-Phrases

- S2 Keep out of the reach of children
  - S7 Keep container tightly closed
  - S23 Do not breathe spray
  - S37/39 Wear suitable gloves and eye/face protection
  - S49 Keep only in the original container
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## 16. OTHER INFORMATION

Revision 0

Revision Date; 10/03/2009

### DISCLAIMER

*The information in the MSDS relates to this specific material. If the product is used as a component in any other product, this MSDS may not be valid. The information contained was obtained from sources which we believe are reliable. The information is provided without any warranty, expressed or implied, regarding its correctness.*

*This Material Safety Data Sheet was prepared according to Directive 93/112/EEC.*

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