

# SAFETY DATA SHEET

## Mascot Systemic

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Mascot Systemic  
 REACH Registration notes IN CONFORMITY WITH (REACH ) Annex II of EC Regulation no.1907/2006.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Worm Cast Suppressant

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer Barclay Chemicals Manufacturing Ltd,  
 Damastown Way  
 Damastown Industrial Estate  
 Mulhuddart  
 Dublin 15  
 Ireland  
 Tel: + 353 1 811 29 00  
 Fax: + 353 1 822 46 78  
 email: info@barclay.ie

#### 1.4. Emergency telephone number

+353 86 385 77 69

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Muta. Cat. 1;R46, Repr. Cat. 1;R60, R61. Muta. Cat. 3;R68. N;R50/53.

Human health

May cause heritable genetic damage. May impair fertility. May cause harm to the unborn child. Possible risk of irreversible effects.

Environment

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

Contains CARBENDAZIM (ISO)

Labelling



Toxic



Dangerous for the environment

Risk Phrases

R46	May cause heritable genetic damage.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R60	May impair fertility.
R61	May cause harm to the unborn child.
R68	Possible risk of irreversible effects.

Safety Phrases

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S23	Do not breathe vapour/spray.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S46	If swallowed, seek medical advice immediately and show this container or label.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.

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S61

Avoid release to the environment. Refer to special instructions/safety data sheets.

P11

Restricted to professional users.

### 2.3. Other hazards

Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

CARBENDAZIM (ISO)	30-60%
CAS-No.: 10605-21-7	EC No.: 234-232-0
Classification (EC 1272/2008) Muta. 1B - H340 Repr. 1B - H360FD Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Muta. Cat. 2;R46 Repr. Cat. 2;R60,R61 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration notes IN CONFORMITY WITH (REACH ) Annex II of EC Regulation no.1907/2006.

Composition Comments

The data shown are in accordance with the latest EC Directives.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information

Toxic Remove affected person from source of contamination. Provide rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

Inhalation

Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention.

Ingestion

Get medical attention immediately! Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Obtain medical attention and bring these instructions.

Eye contact

Remove victim immediately from source of exposure. Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions.

### 4.2. Most important symptoms and effects, both acute and delayed

General information

Toxic NOTE! Effects may be delayed. Keep affected person under observation. Seek medical attention for all burns, regardless how minor they may seem.

Inhalation.

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

No specific symptoms noted.

Eye contact

No specific symptoms noted.

### 4.3. Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

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## **5.1. Extinguishing media**

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

## **5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## **5.3. Advice for firefighters**

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of dust and vapours.

### **6.2. Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. Do not allow to enter drains, sewers or watercourses.

### **6.3. Methods and material for containment and cleaning up**

Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material. Remove small spills with vacuum cleaner. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Inform Authorities if large amounts are involved.

### **6.4. Reference to other sections**

For personal protection, see section 8.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Follow instructions and ensure correct dilution of this product before use.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep locked up and out of the reach of children. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. Protect from freezing and direct sunlight. Protect against physical damage and/or friction. Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 0°C and 30°C.

Storage Class

Toxic storage.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

Ingredient Comments

No exposure limits noted for ingredient(s).

### **8.2. Exposure controls**

Protective equipment



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Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Wear protective gloves.

Eye protection

Wear goggles/face shield.

Other Protection

Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash contaminated clothing before reuse. Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection

Protection suit must be worn.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid. Suspension.
Colour	Grey. White / off-white.
Odour	Almost odourless.
Solubility	Miscible with water
pH-Value, Conc. Solution	6-8
Flash point (°C)	
Scientifically unjustified.	This product is not flammable.
Comments	Information given concerns the concentrated solution.

### 9.2. Other information

Not relevant

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid frost. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials To Avoid

Keep in original container.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50	>2, 000 mg/kg (oral rat)
Toxic Dose 2 - LD 50	>2, 000 mg/kg (dermal rat)
Toxic Conc. - LC 50	>2150 mg/m <sup>3</sup> (2hr/rat)
Toxicological information	
This material is toxic.	

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Other Health Effects

Mutagen Category 1. Toxic to Reproductive Health Category 1.

Health Warnings

Known or suspected mutagen. Possible reproductive impact.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l                      5.5 mg/L

EC 50, 48 Hrs, Daphnia, mg/l                0.19 mg/L

### **12.2. Persistence and degradability**

Degradability

There are no data on the degradability of this product.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

### **12.4. Mobility in soil**

Mobility:

The product is miscible with water. May spread in water systems.

### **12.5. Results of PBT and vPvB assessment**

Not available.

### **12.6. Other adverse effects**

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

## SECTION 14: TRANSPORT INFORMATION

Road Transport Notes                      Avoid releasing to the environment.

Rail Transport Notes                        Avoid releasing to the environment.

Sea Transport Notes                        Do not release into the environment.

### **14.1. UN number**

UN No. (ADR/RID/ADN)                      3082

UN No. (IMDG)                                3082

UN No. (ICAO)                                3082

### **14.2. UN proper shipping name**

Proper Shipping Name                      ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CARBENDAZIM (ISO))

### **14.3. Transport hazard class(es)**

ADR/RID/ADN Class                        9

ADR/RID/ADN Class                        Class 9: Miscellaneous dangerous substances and articles.

ADR Label No.                                9

IMDG Class                                    9

ICAO Class/Division                        9

Transport Labels



**14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant



**14.6. Special precautions for user**

EMS	F-A, S-F
Emergency Action Code	•3Z
Hazard No. (ADR)	90
Tunnel Restriction Code	(E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Date	17.06.2011
Risk Phrases In Full	
R61	May cause harm to the unborn child.
R46	May cause heritable genetic damage.
R60	May impair fertility.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H340	May cause genetic defects.
H360FD	May damage fertility or the unborn child.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.