



SAFETY DATA SHEET

Barclay Ringer

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Barclay Ringer

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2 HAZARDS IDENTIFICATION

May cause heritable genetic damage. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
May impair fertility. May cause harm to the unborn child. Possible risk of irreversible effects.
CLASSIFICATION (1999/45) Muta. Cat. 1;R46, Repr. Cat. 1;R60, R61. Muta. Cat. 3;R68. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
CARBENDAZIM (ISO)	234-232-0	10605-21-7	30-60%	Muta. Cat. 2;R46 Repr. Cat. 2;R60,R61 N;R50/53

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention.

INGESTION

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Water spray should be used to cool containers. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed (CO_x, NO_x).

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing. Use air-supplied respirator during fire fighting.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Do not breathe vapour. Avoid contact with skin and eyes. Provide adequate ventilation.

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ENVIRONMENTAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. 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. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep in original container. Protect from freezing and direct sunlight. Store in closed original container at temperatures between 0°C and 30°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



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

Use protective gloves.

EYE PROTECTION

Wear goggles/face shield.

HYGIENE MEASURES

Wash hands after handling. When using do not eat, drink or smoke.

9 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)	Not Flammable

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid extremes of temperature

MATERIALS TO AVOID

No incompatible groups noted.

HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50	>2, 000 mg/kg (oral rat)
TOXIC DOSE 2 - LD 50	>2, 000 mg/kg (dermal rat)

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TOXIC CONC. - LC 50 >2150 mg/m3 (2hr/rat)

TOXICOLOGICAL INFORMATION

This material is toxic.

GENERAL INFORMATION

Known or suspected mutagen. Possible reproductive impact.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

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

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

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CARBENDAZIM (ISO 50%))		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	•3Z	CEFIC TEC(R) NO.	90GM6-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
UN NO. AIR	3082	AIR CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Toxic



Dangerous for the environment

CONTAINS

CARBENDAZIM (ISO)

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.

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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.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P11	Restricted to professional users.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

16 OTHER INFORMATION

REVISION COMMENTS

This is first issue.

REVISION DATE 14th April 2010

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.

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.