



SAFETY DATA SHEET

Barclay Bolt

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

PRODUCT NAME	Barclay Bolt		
APPLICATION	Agricultural/Horticultural Fungicide.		
SUPPLIER	Barclay Chemicals Manufacturing Ltd, Damastown Way Damastown Industrial Estate Mulhuddart Dublin 15 Ireland Tel: 00-353-1-8112900 Tel: 00-353-863857769 (Emergency) Fax: 00-353-1-8224678 email: info@barclay.ie	MANUFACTURER	Barclay Chemicals Manufacturing Ltd, Damastown Way Damastown Industrial Estate Mulhuddart Dublin 15 Ireland Tel: 00-353-1-8112900 Tel: 00-353-863857769 (Emergency) Fax: 00-353-1-8224678 email: info@barclay.ie

2 HAZARDS IDENTIFICATION

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

CLASSIFICATION N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PROPICONAZOLE TECHNICAL	262-104-4	60207-90-1	10-30%	Xn;R22 R43 N;R50/53

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

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

No specific antidote known. Treat symptomatically. If ingested, perform gastric lavage and administer activated charcoal.

INHALATION

Move injured person to fresh air and seek medical advice.

INGESTION

Induce vomiting, if person is conscious. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Wash mouth with water thoroughly. Drink copious amounts of water or milk. Seek 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 eyes wide apart. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, fog or regular foam.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control.

PROTECTIVE MEASURES IN FIRE

Wear suitable protective clothing and self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Barclay Bolt

ENVIRONMENTAL PRECAUTIONS

Contain spillage as the situation allows. Do not flush with water. Particular care should be taken to prevent contamination of water (ditches, drains, ponds etc.). Advise water authority if spillage has entered water course or drainage system

SPILL CLEAN UP METHODS

Absorb with pumice, vermiculite, sand or earth. Collect contaminated material and surrounding soil and place in covered, labelled containers (not galvanised or unlined steel) for disposal. Advise local authority if spillage enters drains or Environmental Protection Agency if spillage enters surface or ground waters.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Do not breathe spray Avoid contact with skin and eyes.

STORAGE PRECAUTIONS

Keep out of the reach of children Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide eyewash station

RESPIRATORY EQUIPMENT

When spraying use suitable air-supplied respirator.

HAND PROTECTION

Protective gloves are recommended.

EYE PROTECTION

Goggles/face shield are recommended.

SKIN PROTECTION

Wear suitable protective clothing and chemical resistant boots.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOUR	Tan		
ODOUR	Characteristic		
SOLUBILITY	Emulsifiable in water		
MOL. WEIGHT	Propiconazole: 342.2	RELATIVE DENSITY	0.98 - 1.00 g/ml
FLASH POINT (°C)	107 Degrees Celcius CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	265 Degrees Celcius

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Decomposes upon heating. Keep at temperatures below 40°C and above -15°C

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong acids. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂, NO_x) are formed. Chlorides.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50

>2000 mg/kg (oral rat)

SKIN CONTACT

Slightly irritating.

EYE CONTACT

May cause slight eye irritation

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l	3.72
EC 50, 48 Hrs, DAPHNIA, mg/l	26
IC 50, 72 Hrs, ALGAE, mg/l	2.53

MOBILITY

Does not leach to groundwater.

DEGRADABILITY

Rapidly degrades when exposed to sunlight and UV light.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Container and washings must be disposed off safely and in accordance with local regulations

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROPICONAZOLE TECHNICAL)		
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



Dangerous for the environment

CONTAINS

PROPICONAZOLE TECHNICAL

RISK PHRASES

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S2 Keep out of the reach of children

S13 Keep away from food, drink and animal feeding stuffs.

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S20/21	When using do not eat, drink or smoke.
S46	If swallowed, seek medical advice immediately and show this container or label.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

REVISION COMMENTS

This is first issue.

DATE 30 November 2009

RISK PHRASES IN FULL

R22	Harmful if swallowed.
R43	May cause sensitisation by skin contact.
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.