

## SAFETY DATA SHEET

### Barclay Bolt XL

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

##### **1.1. Product identifier**

Product name                                 Barclay Bolt XL

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

Identified uses                                 Agricultural/Horticultural Fungicide.

##### **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 (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Acute Tox. 4 - H302; Skin Irrit. 2 - H315; Skin Sens. 1 - H317; STOT SE 3 - H336; Asp. Tox. 1 - H304
Environment	Aquatic Chronic 2 - H411

Classification (1999/45/EEC)

Xn; R22, R65. Xi; R38, R43. N; R51/53, R67.

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

##### **2.2. Label elements**

Contains   Hydrocarbons, C10, Aromatic, <1% Naphthalene  
 PROPICONAZOLE TECHNICAL

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P102	Keep out of reach of children.
P261	Avoid breathing vapour/spray.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local regulations.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hydrocarbons, C10, Aromatic, <1% Naphthalene	60-100%
CAS-No.: EC No.: 918-811-1	
Classification (EC 1272/2008) EUH066 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R66,R67.
Kerosine : solvent naphta heavy aromatic	1-5%
CAS-No.: 64742-94-5 EC No.: 265-198-5	
Classification (EC 1272/2008) EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R66.
NAPHTHALENE	< 1%
CAS-No.: 91-20-3 EC No.: 202-049-5	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Carc. 2 - H351 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R22 N;R50/53
Organic Sulfonate	1-5%
CAS-No.: EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R38,R41.
PROPICONAZOLE TECHNICAL	10-30%
CAS-No.: 60207-90-1 EC No.: 262-104-4	

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Classification (EC 1272/2008)  
Acute Tox. 4 - H302  
Skin Sens. 1 - H317  
Aquatic Acute 1 - H400  
Aquatic Chronic 1 - H410

Classification (67/548/EEC)  
Xn;R22  
R43  
N;R50/53

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

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

##### General information

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. Get medical attention if irritation persists after washing.

##### 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

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

##### Inhalation

Vapours may cause drowsiness and dizziness.

##### Ingestion

May cause stomach pain or vomiting.

##### Skin contact

Skin irritation.

##### Eye contact

Irritation of eyes and mucous membranes.

#### **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

#### **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.

##### Unusual Fire & Explosion Hazards

Not known.

#### **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.

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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 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.

### 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
NAPHTHALENE	WEL	10 ppm	53 mg/m <sup>3</sup>	15 ppm	80 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

Ingredient Comments

No exposure limits noted for ingredient(s).

Ingredient Comments  
No information available

### PROPICONAZOLE TECHNICAL (CAS: 60207-90-1)

### 8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

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## 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 hands 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Amber.
Odour	Characteristic.
Solubility	Emulsifiable in water.
Relative density	0.98 - 1.0
Vapour pressure	2.10 X 10 <sup>-4</sup> Pa 20
Flash point (°C)	107
	This product is not flammable.
Auto Ignition Temperature (°C)	265
Partition Coefficient (N-Octanol/Water)	3.51
Comments	Information given concerns the concentrated solution.

### 9.2. Other information

## 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.

Hazardous Polymerisation

Will not polymerise.

### 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 known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

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Toxic Dose 1 - LD 50  
300 - 2000 mg/kg (oral rat)  
Toxic Dose 2 - LD 50 > 2000mg/kg (dermal rat)

## Acute toxicity:

Harmful if swallowed.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### **12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l	2.5
EC 50, 48 Hrs, Daphnia, mg/l	25.6
IC 50, 72 Hrs, Algae, mg/l	4.4

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

#### Degradability

The product is not readily biodegradable.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient	3.51
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### **12.4. Mobility in soil**

#### Mobility:

Emulsifiable in water.

Surface tension

~ 30.5 mN/m

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

This product does not contain any PBT or vPvB substances.

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

Not available.

## 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.
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Rail Transport Notes	Avoid releasing to the environment.
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Sea Transport Notes	Do not release into the environment.
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### **14.1. UN number**

UN No. (ADR/RID/ADN)	3082
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UN No. (IMDG)	3082
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UN No. (ICAO)	3082
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### **14.2. UN proper shipping name**

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Kerosine : solvent naphta heavy aromatic, PROPICONAZOLE TECHNICAL)
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### 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 Comments

Document updated to comply with Annex II of EC Regulation no.1907/2006.

Revision Date 24/04/2014

## Barclay Bolt XL

Revision	0
Risk Phrases In Full	
R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H315	Causes skin irritation.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
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.