

# SAFETY DATA SHEET

## Barclay Propyz

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

#### 1.1. Product identifier

Product name Barclay Propyz  
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 Agricultural/Horticultural Herbicide

#### 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) Carc. Cat. 3;R40. N;R51/53.  
Human health  
Limited evidence of a carcinogenic effect.  
Environment  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

Contains Propyzamide Technical  
Labelling



Harmful



Dangerous for the environment

Risk Phrases  
R40 Limited evidence of a carcinogenic effect.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases  
S36/37 Wear suitable protective clothing and gloves.  
S57 Use appropriate containment to avoid environmental contamination.  
S2 Keep out of the reach of children.  
S29 Do not empty into drains.  
S46 If swallowed, seek medical advice immediately and show this container or label.

#### 2.3. Other hazards

Not applicable.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

# Barclay Propyz

|   |   |
|---|---|
| Propyzamide Technical   | 30-60%  |
| CAS-No.: 23950-58-5   | EC No.: 245-951-4   |
| Classification (EC 1272/2008)<br>Carc. 2 - H351<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 | Classification (67/548/EEC)<br>Carc. Cat. 3;R40<br>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

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.

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

### **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.

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## **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 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

Miscellaneous hazardous material 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



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.

Hand protection

Wear protective gloves.

Eye protection

Wear goggles/face shield.

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## 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                              | Opaque Liquid                  |
| Colour                                  | White / off-white.             |
| Odour                                   | Mild.                          |
| Solubility                              | Disperses.                     |
| Initial boiling point and boiling range | 100                            |
| Melting point (°C)                      | -20                            |
| pH-Value, Conc. Solution                | 7.27                           |
| Viscosity                               | 844 mPas 40                    |
| Flash point (°C)                        |                                |
| Scientifically unjustified.             | This product is not flammable. |

### 9.2. Other information

Not available.

## 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 >2000 mg/kg (oral rat)

Skin contact

Skin irritation is not anticipated when used normally.

Eye contact

May cause temporary eye irritation.

Health Warnings

Limited evidence of a carcinogenic effect.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is 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     | >100   |
| EC 50, 48 Hrs, Daphnia, mg/l | >67.15 |
| IC 50, 72 Hrs, Algae, mg/l   | 3.9    |

**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 contains substances which are insoluble in water and which sediment in water systems.

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

Not available.

**12.6. Other adverse effects**

Not applicable.

**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. (Propyzamide)

**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 relevant

**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

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 08.09.2011

Risk Phrases In Full

|        |  |
|--------|--|
| R40    | Limited evidence of a carcinogenic effect.   |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Hazard Statements In Full

|      |   |
|------|---|
| H351 | Suspected of causing cancer.                          |
| 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.