

## 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

### 1.1 Product identifier

**Trade name**

Zamide 80 WG

### 1.2 Relevant identified uses of the mixture and uses advised against

#### 1.2.1 Relevant identified uses

A residual weedkiller for the control of annual meadow-grass in oilseed rape, and other grass and broad-leaved weeds in winter field beans, lettuce and forestry.

#### 1.2.2 Uses advised against

Do not use for any other purpose.

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

Albaugh Europe Sàrl  
World Trade Center Lausanne  
Avenue Gratta-Paille 2  
1018 Lausanne  
Switzerland

Telephone: + 41 21 799 9130

Fax: + 41 21 799 9139

Email: sds@albaugh.eu

Web: www.albaugh.eu

### 1.4 Emergency telephone number

For advice on medical emergencies, fires or major spills: +44 (0) 1235 239 670

Available: 24 h

Time Zone: GMT

Language(s) of phone service: All EU languages

UK National Poisons Information Service: +44 (0)121 507 4123 (For health professionals only)

Available: 24h

Time Zone: GMT

Language(s) of phone service: English

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) no. 1272/2008 [CLP/GHS]

| Signal word | Hazard class and category | Pictograms | Hazard statement  |
|-------------|---------------------------|------------|---|
| Warning     | Carc. 2                   | GHS08      | H351 Suspected of causing cancer                          |
| Warning     | Aquatic Acute 1           | GHS09      | H400 Very toxic to aquatic life                           |
| Warning     | Aquatic Chronic 1         | GHS09      | H410 Very toxic to aquatic life with long lasting effects |

#### Additional information

For abbreviations, refer to Section 16.

## 2.2 Label elements

### Labelling according to Regulation (EC) no. 1272/2008

#### Hazard pictograms



GHS08



GHS09

#### Signal Word

Warning

#### Hazard Statements :

H351: Suspected of causing cancer

H410: Very toxic to aquatic life with long lasting effects

#### Precautionary Statements :

General -

Prevention: P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust

P280: Wear protective gloves, protective clothing.

Response: P308 + P313: IF exposed or concerned: Get medical advice or attention.

P391: Collect spillage.

Storage: -

Disposal: P501: Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste

#### Supplemental information:

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

## 2.3 Other hazards

None known

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Description of the mixture:

Mixture of propyzamide (ISO) and co-formulants.

| Chemical Name                                      | CAS-No.    | EC-No.    | Index No.    | Conc. (W/W) | CLP (Reg. 1272/2008) Classification                               |
|--|------------|-----------|--------------|-------------|---|
| 3,5-dichloro-N-(1,1-dimethyl-prop-2-ynyl)benzamide | 23950-58-5 | 245-951-4 | 616-055-00-4 | 80 %        | Carc. 2; H351<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410 |
| Other ingredients                                  |            |           |              | to 100%     | Not classified  |

#### Additional information

For full text of H-phrases and abbreviations, see Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes:

If symptoms occur after exposure to this product, seek medical attention immediately and show the product label or this SDS. Remove to fresh air and keep at rest. Do not allow smoking or eating. Take off all contaminated clothing and footwear.

**Following inhalation:**

Remove to fresh air and keep at rest in half-upright position. Seek medical attention if symptoms arise.

**Following skin contact:**

Remove all contaminated clothing. Wash skin with soap and rinse with plenty of water. Seek medical attention if irritation arises. Wash clothes before re-use.

**Following eye contact:**

Immediately rinse with water. Holding eyes open, continue rinsing for 15 minutes at least. Remove contact lenses as soon as possible. Seek medical attention if symptoms develop.

**Following ingestion:**

If swallowed, DO NOT INDUCE VOMITING: seek medical advice immediately and show this container or label. Remove any residues from mouth and rinse it with plenty of water. Offer the casualty 1 or 2 glasses of water to drink. Never give anything by mouth to an unconscious person.

**Self-protection of first aider**

Personal protective equipment for first aid responders is recommended according to potential for exposure (refer to Section 8).

**4.2 Most important symptoms and effects, both acute and delayed**

The symptoms and the effects indicated in this section refer to an accidental exposure scenario.

**Following inhalation:**

Possible slight nasal irritation and discharge. No delayed effects expected.

**Following skin contact:**

Possible slight transitory redness. No delayed effects expected.

**Following eye contact:**

Possible slight transitory redness and swelling. No delayed effects expected.

**Following ingestion:**

Possible mild gastrointestinal effects. No significant delayed effects expected.

**4.3 Indication of immediate medical attention and special treatment needed**

No need to provide any special means/medicinal products for immediate treatment at the workplace.

**Notes for the doctor:**

No specific antidote. Treat symptomatically (decontamination, vital functions). Call a Poison Centre immediately for treatment advice. In case of ingestion gastric lavage may be necessary (with proper laryngeal control). Before emptying the stomach, assess the potential danger arising from lung aspiration against the product toxicity. Report to Albaugh Europe Sàrl any unusual symptoms occurring after exposure by any route.

## 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media**

**Suitable extinguishing media:**

Carbon dioxide, water spray, alcohol-resistant foam, dry chemical for small fires, alcohol-resistant foam or water spray for large fires.

**Unsuitable extinguishing media:**

Solid water jet.

**5.2 Special hazards arising from the mixture**

**Hazardous combustion products**

Evolves toxic and corrosive fumes in fire including hydrogen chloride and oxides of carbon, and nitrogen.

**5.3 Advice for fire-fighters**

Clothing conforming to EN469 should be sufficient to deal with fires involving the mixture.

However, a Self-Contained Breathing Apparatus (SCBA) may be required if there is a potential for exposure to combustion fumes.

**5.4 Additional information**

Provide storage and work areas with suitable fire extinguishers.

Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

## 6. ACCIDENTAL RELEASE MEASURES

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

#### **6.1.1 For non-emergency personnel**

**Protective equipment:** Remove immediately any contaminated clothing. Wear prescribed personal protective equipment to prevent contact with eyes and skin. A Self-Contained Breathing Apparatus (SCBA) may be required if there is an elevated risk for exposure.

**Emergency procedures:** Call the emergency services if the release is not immediately controllable. If the release is localized and immediately controllable, provide sufficient ventilation and control the release at its source.

#### **6.1.2 For emergency responders**

Clothing conforming to EN469.

### **6.2 Environmental precautions**

Use appropriate containment to avoid environmental contamination. Control the release at its source. Contain the spill to prevent it from spreading, contaminating soil or entering sewage and drainage systems or any body of water. Inform the local water company if the release enters drains and the Environment Agency (England and Wales), the Scottish Environmental Protection Agency (Scotland) or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters.

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

#### **For containment**

Clean up spills immediately and place in a compatible disposal container. The mixture is in the form of dry water dispersible granules. If undiluted, due to risk of inhalation and/or ignition of dust particles, do not use any cleaning method that generates airborne particles. Wet sweep and place in a compatible, disposal container. Do not use a vacuum cleaner, unless electrically isolated. If diluted, contain spill by diking with earth, sand or absorbent material and place into a compatible marked disposal container.

#### **For cleaning up**

Scrub area with a hard water detergent. Soak up wash liquid with additional absorbent material and place into a compatible marked disposal container. Seal container and arrange for disposal.

#### **Other information**

Not Applicable

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

Refer to Section 8 for personal protective equipment and to Section 13 for disposal instructions.

## 7. HANDLING AND STORAGE

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide suitable ventilation in the areas where the product is stored and used. Contaminated work clothing should not be allowed out of the workplace. Avoid all contact by mouth, with eyes and skin. Wear personal protective equipment as specified in Section 8. When using, do not eat, drink or smoke. Remove contaminated clothing and protective equipment before meals and after work. Wash hands and exposed skin before meals and after work. Wash all protective clothing thoroughly after use, especially the insides of gloves.

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

The mixture is stable under normal ambient conditions. Keep in original container, in a dry, cool and safe place. Store in a locked, suitable store. Keep away from any source of ignition. Keep out of the reach of children and unauthorised personnel. Keep away from food, drink and animal feeding stuffs.

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

Product for professional use as directed by the product label, every other use is hazardous.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### **8.1 Control Parameters**

#### **Occupational Exposure limit values (UK)**

None

#### **Information on monitoring procedures**

None available.

## **8.2 Exposure controls**

### **8.2.1 Appropriate engineering controls**

Engineering controls and appropriate work processes must be used to eliminate or reduce worker and environmental exposure in the areas where the substance is handled, transported, loaded, unloaded, stored and used. These measures must be adequate for the extent of the actual risk. Provide adequate local exhaust ventilation. Use specialized transfer systems if available.

### **8.2.2 Personal protection equipment**

#### **Eye and face protection**

Avoid contact with eyes. If there is a significant potential for contact, wear suitable eye and face protection (EN 166).

#### **Skin protection:**

**Hand protection:** Wear suitable protective gloves against chemicals (EN 374 part 1, 2, 3). Nitrile rubber min. 0.5mm thick and 300mm long gloves are the ones proven to be the most suitable according to tests on pesticide products.

Wash the gloves thoroughly after each use, especially the insides. Replace gloves if damaged and before exceeding the breakthrough time.

**Body protection:** Avoid contact with skin. If there is a significant potential for contact, wear suitable coveralls (ISO 13982-1, Type 5, EN 13034, Type 6).

**Other skin protection:** None specified.

**Respiratory protection:** No special requirement when used as recommended. If a risk assessment shows that engineering controls do not provide adequate respiratory protection to exposure to spray particles, wear particle filtering half mask (EN 149) or half mask connected to particle filter (EN 140 + 143).

### **8.2.3 Environmental exposure controls**

Implement all applicable local and community environmental protection legislation. Refer to Section 15. Use appropriate containment to avoid environmental contamination. Do not empty into drains. Do not contaminate water with the product or used container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads. Refer to Section 12 and 13.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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

All the data contained in this section are derived from actual test data on the mixture or its components unless otherwise stated.

|   |   |
|---|---|
| a) <i>Appearance:</i>                                   | Free flowing granules   |
| <i>Colour:</i>  | Light brown   |
| b) <i>Odour:</i>  | Faint   |
| c) <i>Odour threshold:</i>                              | Not determined – not required under all applicable pesticide legislation. |
| d) <i>pH:</i>   | 6-9 (aqueous suspension)  |
| e) <i>Melting point/freezing point:</i>                 | Not available. Freezing point is not relevant as product is a solid.      |
| f) <i>Initial boiling point and boiling range:</i>      | Not applicable – the mixture is solid                                     |
| g) <i>Flash point:</i>                                  | Not applicable – the mixture is solid                                     |
| h) <i>Evaporation rate:</i>                             | Not available - not required under all applicable pesticide legislation.  |
| i) <i>Flammability (solid, gas):</i>                    | The mixture is not highly flammable                                       |
| j) <i>Upper/lower flammability or explosive limits:</i> | The mixture is not highly flammable and not explosive                     |
| k) <i>Vapour pressure:</i>                              | Not applicable – the mixture is solid                                     |
| l) <i>Vapour density:</i>                               | Not applicable - not required under all applicable pesticide legislation. |
| m) <i>Density (relative):</i>                           | 0.56-0.60 kg/l  |
| n) <i>Solubility(ies)</i>                               |   |
| <i>Solubility (water):</i>                              | Not soluble but forms a stable dispersion in water                        |
| o) <i>Partition coefficient: n-octanol/water:</i>       | Propyzamide active ingredient: Log P <sub>o/w</sub> 3.0                   |
| p) <i>Auto-ignition temperature (relative):</i>         | >400 °C (data on a similar mixture)                                       |
| <i>Minimum Ignition Temperature:</i>                    | Not available   |
| <i>Minimum Ignition Energy:</i>                         | Not available   |
| q) <i>Decomposition temperature:</i>                    | Propyzamide active ingredient: >155 °C                                    |
| r) <i>Viscosity:</i>                                    | Not applicable – the mixture is solid                                     |

- s) *Explosive properties:* Explosion hazard: not explosive.  
t) *Oxidising properties:* Not an oxidising agent.

## **9.2 Other information**

- Flammability (in contact with water):* Not flammable

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Non-reactive when stored in original container under normal conditions of storage and use.

### **10.2 Chemical stability**

Stable when stored in original container under normal conditions of storage and use.

### **10.3 Possibility of hazardous reactions**

No hazardous reactions when stored in original container under normal conditions of storage and use. Reacts with strong bases and strong oxidising substances.

### **10.4 Conditions to avoid**

Contact with strong bases and strong oxidising substances. Do not store in proximity of sources of ignition and direct sunlight.

### **10.5 Incompatible materials**

None. Avoid contact with strong bases and strong oxidising substances.

### **10.6 Hazardous decomposition products**

During decomposition evolves toxic fumes including hydrogen chloride and oxides of carbon, and nitrogen.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **11.1.2 Mixtures**

All data contained in this section are derived from actual test data on the mixture unless otherwise stated.

#### **a) Acute toxicity:**

- LD<sub>50</sub> oral, rat:** >5000 mg/kg bw  
**LD<sub>50</sub> dermal, rat:** >2000 mg/kg bw  
**LC<sub>50</sub> inhalation, rat:** > 2.6 mg/l air (data derived from the a.i. propyzamide)

#### **b) Skin Corrosion/Irritation** Not irritant (not classified as a skin irritant under Regulation (EC) 1272/2008)

#### **c) Serious Eye** Slight irritant (not classified as an eye irritant under Regulation (EC) 1272/2008)

#### **Damage/Irritation:**

#### **d) Respiratory or Skin** The product is not classified as a respiratory or skin sensitizer in animal studies

#### **Sensitization:**

#### **e) Germ Cell Mutagenicity:** Not classified as mutagenic on the basis of mixture component information

#### **f) Carcinogenicity:** The a.i. propyzamide is classified as Carc. 2; H351, thus the mixture is classified H351

#### **g) Reproductive Toxicity:** Not classified as a reproductive toxicant on the basis of mixture component information

#### **h) STOT-Single Exposure:** Not classified as hazardous for single dose toxicity on the basis of mixture component information

#### **i) STOT-Repeated** Not classified as hazardous for repeated dose toxicity on the basis of mixture component information

#### **Exposure:**

#### **j) Aspiration Hazard:** Not classified as hazardous by aspiration on the basis of mixture component information

### **Likely routes of exposure and related long and short term symptoms and health effects:**

**Inhalation:** There is a low risk of exposure by inhalation.

**Short-term symptoms and effects:**

Possible slight nasal irritation and discharge.

**Long-term symptoms and effects:**

No specific symptoms related to the mixture for non-repeated exposure. For repeated exposure, suspected disorders of the following target organs: liver, thyroid, ovaries, testes.

**Eye contact:** There is a risk of exposure by eye contact.

**Short-term symptoms and effects:**

**Long-term symptoms and effects:**

Possible slight transitory redness and swelling.

No evidence of long-term effects after prolonged or repeated exposure.

**Skin contact:** There is a risk of exposure by skin contact.

Short-term symptoms and effects:

Possible slight transitory redness.

Long-term symptoms and effects:

No evidence of long-term effects after prolonged or repeated exposure.

**Ingestion:** There is a very low risk of exposure by accidental ingestion.

Short-term symptoms and effects:

Possible mild gastrointestinal effects.

Long-term symptoms and effects:

No specific symptoms related to the substance for non-repeated exposure. For repeated exposure, suspected disorders of the following target organs: liver, thyroid, ovaries, testes.

## 12. ECOLOGICAL INFORMATION

All the information and data contained in this section are derived from the a.i. propyzamide.

### 12.1 Toxicity

#### **Acute Toxicity**

**LC<sub>50</sub> fish, *Oncorhynchus mykiss* (96h):**

>4.7 mg/l

**LC<sub>50</sub> aquatic invertebrates, *Daphnia magna* (48h):**

>5.6 mg/l

**EC<sub>50</sub> algae, *Selenastrum carpicornutum* (120h):**

0.83 mg/l

**LD<sub>50</sub> birds, *Coturnix japonica*:**

6600 mg/kg bw

### 12.2 Persistence and degradability:

Not readily biodegradable

### 12.3 Bioaccumulative potential:

No significant potential for bioaccumulation

### 12.4 Mobility in soil:

Not readily mobile, binds strongly to soil

### 12.5 Results of PBT and vPvB assessment:

No PBT or vPvB assessments have been carried out on the mixture; please refer to 12.1, 12.2 & 12.3.

### 12.6 Other adverse effects:

Not determined.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Disposal of waste product, contaminated packaging materials and any excess diluted spray should be in accordance with 'The Hazardous Waste (England and Wales) Regulations 2005' and any other applicable local or national legislation (for guidance refer to the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings").

For the handling and management of accidental release, follow the information given under Section 6 and 7.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

UN 3077

### 14.2 UN Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains propyzamide)

### 14.3 Transport hazard class(es)

9

### 14.4 Packing group

III

### 14.5 Environmental hazards

Land transport ADR/RID - Environmentally Hazardous: Yes  
Maritime transport IMDG - Marine pollutant: Yes

**Note :** When transported in packages of 5 kgs and less (UN3077) these goods are exempt from the main requirements of the transport regulations by virtue of Special Provision 375 of the ADR regulations 2015 for transport by road, Section 2.10.2.7 of the IMDG code 37-14 for transport by sea, and Special Provision A197 of the IATA 56th Edition regulations for transport by air.

### 14.6 Special Precautions for User

Land transport ADR/RID - Tunnel restriction code: -

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

IBC Code: IBC03

## 15. REGULATORY INFORMATION

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

#### ! EU Regulations

REGULATION (EC) No 1107/2009 of The European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC.

REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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.

COMMISSION REGULATION (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

#### National Regulations/legislation:

The Chemicals (Hazard Information & Packaging for Supply) Regulations 2009 (CHIP 4)

Health and Safety at Work etc. Act 1974, as amended, the Control of Substances Hazardous to Health Regulations 1999 (COSHH), as amended.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment under Regulation (EC) 1907/2006 is required and has not been carried out.

## 16. OTHER INFORMATION

### ! a) Indication of changes:

The numbering system identifying new versions and/or revisions of this SDS is incremental. An increment by an integer number identifies the issue of a new version requiring provision of updates according to Article 31(9) of REACH, while an increment by a decimal identifies minor changes such as typographical errors, text improvements and/or formatting.

Revisions indicated by a decimal point do not affect the risk management measures or information on hazards, do not refer to restrictions imposed and/or to authorisations granted or refused.

The paragraphs where changes have been made are indicated by the symbol '!' in the margin.

Differences between this version and the previous one: Insertion of the new logo of the company, update for the entry into force of Reg (EC) 2015/830

### b) Abbreviations and acronyms:

Carc. 2: Carcinogenicity Category 2

Aquatic Acute 1: Hazardous to the aquatic Environment, Acute Aquatic Hazard Category 1

Aquatic Chronic 1: Hazardous to the aquatic Environment, Long term Aquatic Hazard Category 1

STOT: Specific Target Organ Toxicity

### c) Key literature references and sources for data:

Albaugh Europe Sàrl

EU Review Monograph propyzamide (Sweden 2007)

ECHA Guidance on the compilation of safety data sheets

ECHA Guidance on the application of the CLP criteria

### d) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure                         |
|---|--|
| Carc. 2 – H351  | On basis of calculation from available endpoints |
| Aquatic Acute 1 – H400                                    | On basis of calculation from available endpoints |
| Aquatic Chronic 1 – H410                                  | On basis of calculation from available endpoints |



**e) Relevant R-phrases, H-statements and precautionary statements not written out in full under Sections 2 to 15:**

None

**f) Training advice:**

General occupational hygiene training recommended.

**g) Further information:**

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose. This Material Safety Data Sheet was compiled by Albaugh Europe Sàrl (sds@albaugh.eu) in compliance with Regulation (EC) 1907/2006 as amended by 2015/830.