



# Safety Data Sheet

Issue Date: 30-Mar-2015

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Version: 1

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

### 1.1. Product identifier

**Product Name:** Proshield  
**Product Code:** P50069

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

**Recommended Use:** Herbicide  
Restricted to professional users  
**Uses Advised Against:** Consumer use.

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

#### Manufacturer

Everris International BV  
Nijverheidsweg 1-5; 6422 PD Heerlen (NL)  
Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

#### For further information, please contact

INFO-MSDS@EVERRIS.COM

### 1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Mixture

*Regulation (EC) No 1272/2008*

|                                 |                     |
|---------------------------------|---------------------|
| <b>Chronic aquatic toxicity</b> | Category 1 - (H410) |
|---------------------------------|---------------------|

*Classification according 67/548/EC and 88/379/EC or 1999/45/EC*

To avoid risks to man and the environment, comply with the instructions for use.

N



Full text of R-phrases: see section 16

### 2.2. Label elements

**Product Identifier:****Signal Word:**

Warning

**Hazard Statements:**

H410 - Very toxic to aquatic life with long lasting effects

EUH208 - Contains ( 1,2-Benzisothiazolin-3-one ). May produce an allergic reaction

**Precautionary Statements - EU (§28, 1272/2008)**

P501 - Dispose of contents/ container to an approved waste disposal plant

**Other hazards (UN-GHS)**

Toxic to aquatic life.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

| Ingredients                                     | EC-No.       | CAS-No     | Weight % | Classification according to 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | REACH registration number |
|---|--------------|------------|----------|--|---|---------------------------|
| Glyphosate (in the form of isopropylamine salt) | NE           | 38641-94-0 | 25 - 40% | N;R51/53                               | Aquatic Chronic 2 (H411)  | no data available         |
| Diflufenican                                    | 616-032-00-9 | 83164-33-4 | 1 - 5%   | R52/53                                 | Aquatic Chronic 3 (H412)  | no data available         |
| Alcohols, C11-14-iso-, C13-rich                 |              | 68526-86-3 | 1 - 5%   | N;R50                                  | Aquatic Acute 1 (H400)  | no data available         |
| 1,2-Benzisothiazolin-3-one                      | 220-120-9    | 2634-33-5  | < 0.1%   | N;R50<br>R43<br>Xi;R38-41<br>Xn;R22    | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1 (H317)<br>Aquatic Acute 1 (H400) | no data available         |

**Full text of R-phrases: see section 16****Full text of H- and EUH-phrases: see section 16****Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****General Advice:**

First aid measures should be executed by trained personnel only.

**Inhalation:**

Move person to fresh air. If symptoms persist, call a physician.

**Skin Contact:**

Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Eye Contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If eye irritation persists, consult a specialist.

**Ingestion:** Do NOT induce vomiting. Rinse mouth, ingest activated charcoal. Obtain medical attention.

**Protection of First-Aiders:** Low hazard for usual industrial or commercial handling.

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

**Symptoms:** None under normal processing

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically. No specific antidote known. Symptoms: Nausea, vomiting, diarrhoea, salivation. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. If large amounts are ingested, the following symptoms may occur; abnormally decreased blood volume (hypovolaemia), acidosis, liver disorders, kidney disorders.

### **Section 5: FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

**Suitable extinguishing media:**

Water spray, carbon dioxide, dry chemical, chemical foam.

**Unsuitable extinguishing media:**

High volume water jet.

#### **5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

#### **5.3. Advice for firefighters**

Coordinate fire extinguishing measures to fire in surrounding area.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions:**

Keep people away from and leeward of spill/leak. Use personal protective equipment.

**For Emergency Responders:**

Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

Do not contaminate water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

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

**Methods for Containment:**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleanup:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

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

§ 8, 12, 13.

### **Section 7: HANDLING AND STORAGE**

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

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

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

Technical measures/storage conditions:

Store in original container. Keep away from direct sunlight. Keep in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

Packaging Materials:

Bags or Bulk.

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

Specific use(s)

Fertilizer; Read and follow label instructions; www.everris.com

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Derived No Effect Level (DNEL)**

No data available

**Predicted No Effect Concentration (PNEC)**

No data available.

**8.2. Exposure controls****Engineering Measures to Reduce Exposure:**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Eye/Face Protection:

Safety glasses with side shields or goggles

Hand protection:

Nitrile rubber (0.26 mm).

Respiratory Protection:

No personal respiratory protective equipment normally required.

Skin and Body Protection:

Wear standard coverall and type 6 suit

Hygiene Measures:

When using, do not eat, drink or smoke. Wash hands and exposed skin after use / handling. Remove and wash contaminated clothing before re-use.

**Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Physical State:**

liquid

**Appearance:**

suspension

**Color:**

white.

**Odor:**

Not significant

**pH:**

no data available

**Melting Point/Freezing Point:**

no data available

**Boiling Point/Range:**

Solid, not applicable

**Flash Point:**

Solid, not applicable

**Evaporation Rate:**

Solid, not applicable

**Flammability (solid, gas):**

Non-flammable

**Vapor Pressure:**

Solid, not applicable

**Vapor Density:**

Solid, not applicable

**Specific Gravity:**

no data available

**Water Solubility:**

Soluble in water

**Solubility(ies)**

no data available

**Partition Coefficient:**

Solid, not applicable

**Autoignition Temperature:**

not applicable

**Decomposition Temperature:**

no data available

**Explosive Properties:**

Doesn't present explosion hazard. Based on data of ingredients.

**9.2. Other information****Bulk density:**

no data available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

#### Hazardous Decomposition Products:

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

#### Possibility of Hazardous Reactions:

None under normal processing.

### 10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

None under normal processing.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute Toxicity

#### Product Information:

##### Inhalation:

May cause irritation of respiratory tract.

##### Eye Contact:

May cause irritation.

##### Skin Contact:

May cause irritation.

##### Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### Unknown Acute Toxicity:

65% of the mixture consists of ingredient(s) of unknown toxicity.

#### Component Information:

| Ingredients                     | LD50 Oral             | LD50 Dermal             | LC50 Inhalation |
|---------------------------------|-----------------------|-------------------------|-----------------|
| Alcohols, C11-14-iso-, C13-rich | = 17000 mg/kg ( Rat ) | > 2600 mg/kg ( Rabbit ) |                 |
| 1,2-Benzisothiazolin-3-one      | = 1020 mg/kg ( Rat )  |                         |                 |

#### Skin Corrosion or Irritation

See also section 3.

#### Serious Eye Damage or Eye Irritation

See also section 3.

#### Sensitization

See also section 3.

#### Mutagenic effects

See also section 3.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

#### Reproductive Toxicity

##### Teratogenicity

No data available.

##### STOT - Single Exposure

No known effects under normal use conditions.

##### STOT - Repeated Exposure

None under normal use conditions.

##### Aspiration Hazard

No data available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

66% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

| Ingredients | Algae/aquatic plants | Fish | Crustacea |
|-------------|----------------------|------|-----------|
|             |                      |      |           |

|   |   |  |  |
|---|---|--|--|
| Glyphosate (in the form of isopropylamine salt) |   | 8.3: 96 h Oncorhynchus mykiss mg/L LC50 static 5.6: 96 h Lepomis macrochirus mg/L LC50 static 2.3: 96 h Pimephales promelas mg/L LC50 static | 2.6 - 3.4: 48 h Daphnia magna mg/L EC50 Static |
| Alcohols, C11-14-iso-, C13-rich                 | 172.2: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 13.9: 96 h Oncorhynchus mykiss mg/L LC50 static 15.7: 96 h Pimephales promelas mg/L LC50 static 0.2: 96 h Pimephales promelas mg/L LC50      | 37: 48 h Daphnia magna mg/L EC50               |

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

| Ingredients                | LOGPOW |
|----------------------------|--------|
| 1,2-Benzisothiazolin-3-one | 1.3    |

**12.4. Mobility in soil**

No data available.

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

No data available.

**12.6. Other adverse effects**

not applicable

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods****Disposal of Wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:**

Do not re-use empty containers. Dispose of as unused product.

**Other Information:**

Use up product completely. Packaging material is industrial waste.

## Section 14: TRANSPORT INFORMATION

**IMO / IMDG****14.1****UN-No:** 3082**14.2****Proper shipping name:**

Environmentally Hazardous Substance Liquid N.O.S.(Diflufenican solution)

**14.3****Hazard Class:**

9

**14.4****Packing group:**

III

**14.5****Marine Pollutant:**

This material meets the definition of a marine pollutant

**Environmental Hazard**

Yes

**14.6****EmS:**

F-A , S-F

**Special Provisions**

None

**14.7****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not regulated**ADR/RID****14.1****UN-No:** 3082

**14.2**

**Proper shipping name:** Environmentally Hazardous Substance Liquid N.O.S.(Diflufenican solution)

**14.3**

**Hazard Class:** 9

**14.4**

**Packing group:** III

**14.5**

**Environmental Hazard** Yes

**14.6**

**Special Provisions** None

**Tunnel restriction code** E

**Environmental Hazard** Yes

**Environmental Hazard** Yes

**IATA**

**14.1**

**UN-No:** 3082

**14.2**

**Proper shipping name:** Environmentally Hazardous Substance Liquid N.O.S.(Diflufenican solution)

**14.3**

**Hazard Class:** 9

**14.4**

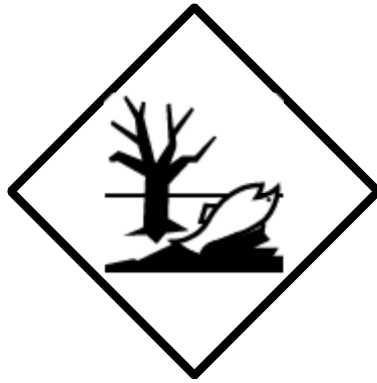
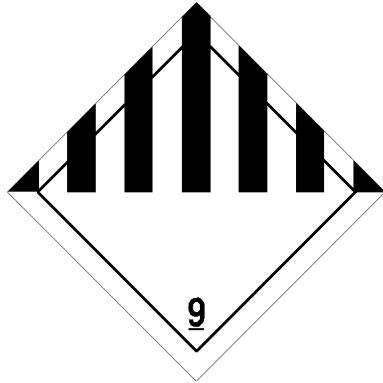
**Packing group:** III

**14.5**

**Environmental Hazard** Yes

**14.6**

**Special Provisions** None



**Section 15: REGULATORY INFORMATION**

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

**National regulations**

**France**

**ICPE (FR):** Not regulated

*Belgium*

*Germany*

**Gefahrstoffverordnung (Germany) TRGS 511** Not Applicable  
**Water Endangering Class (WGK):** 2 (Everris classification)

| Component  | German WGK Section |
|--|--------------------|
| Alcohols, C11-14-iso-, C13-rich<br>68526-86-3 ( 1 - 5% ) | class 2            |
| 1,2-Benzisothiazolin-3-one<br>2634-33-5 ( < 0.1% )       | class 2            |

**Registration number (UK):** MAPP 16118

### European Union

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

### 15.2. Chemical safety assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

## Section 16: OTHER INFORMATION

### **Text of R Phrases mentioned in Section 3**

R22 - Harmful if swallowed

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R43 - May cause sensitization by skin contact

R50 - Very toxic to aquatic organisms

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### **Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

H412 - Harmful to aquatic life with long lasting effects

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organization

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No Effect Concentration

DNEL: Derived No-Effect Level

Reach: Registration, Evaluation, authorization of Chemicals

CLP: EU-GHS; Classification, Labelling and Packaging

OEL: Occupational Exposure Limit

TWA: Time Weighted Average

ATE: Acute Toxicity Estimate

EUH statement: CLP (EU) specific hazard statement.

### **Classification procedure:**

- Calculation method
- Expert judgment and weight of evidence determination

### **Key literature references and sources for data**

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010  
Regulation (EC) No 1272/2008

### **Prepared by:**

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)



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**Reason for revision:** \*\*\* Indicates changes since the last revision. This version replaces all previous versions.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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**End of Safety Data Sheet**