

Safety Data Sheet

Issue Date: 30-Mar-2015

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Version: 2

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 [SU 21].

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

Chronic aquatic toxicity	Category 1 - (H410)
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2.2. Label elements

Product Identifier:



Signal Word:

Warning

Hazard Statements:

H411 - 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 Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Glyphosate (in the form of isopropylamine salt)	NE	38641-94-0	25 - 40%	Aquatic Chronic 2 (H411)	no data available
Diflufenican	616-032-00-9	83164-33-4	1 - 5%	Aquatic Chronic 3 (H412)	no data available
Alcohols, C11-14-iso-, C13-rich		68526-86-3	1 - 5%	Aquatic Acute 1 (H400)	no data available
1,2-Benzisothiazolin-3-one	220-120-9	2634-33-5	< 0.1%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	no data available

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
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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.
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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
Bulk density:	no data available
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

Not applicable

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.

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 known effects under normal use conditions.

STOT - Single Exposure-Category 3 (H335)

No known effects under normal use conditions.

STOT - Repeated Exposure

None under normal use conditions.

Aspiration Hazard

None under normal use.

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)		2.3: 96 h Pimephales promelas mg/L LC50 static 8.3: 96 h Oncorhynchus mykiss mg/L LC50 static 5.6: 96 h Lepomis macrochirus 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

Component	LOGPOW
1,2-Benzisothiazolin-3-one 2634-33-5 (< 0.1%)	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

No data available

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)

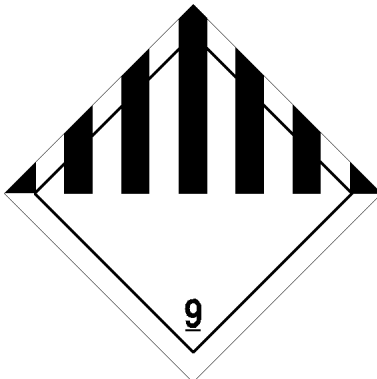
14.3	
Hazard Class:	9
14.4	
Packing group:	III
14.5	
Marine Pollutant:	This material meets the definition of a marine pollutant
Environmental Hazard	Yes
14.6	
EmS:	F-A , S-F
Special Provisions	None
14.7	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated

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

REACH:

No data available

National regulations

Belgium

Denmark

Danish Sikkerhedsgruppe

Not regulated

France

ICPE

Not regulated

Germany

Gefahrstoffverordnung (Germany) TRGS 511
Water Endangering Class (WGK):

Not Applicable
2 (Everris classification)

Component	German WGK Section
Alcohols, C11-14-iso-, C13-rich 68526-86-3 (1 - 5%)	class 2
1,2-Benzisothiazolin-3-one 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

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. 2015/830. 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