

Safety Data Sheet

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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 UK
Product Code: P50124
Pure substance/mixture Mixture.

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 [SU21].

1.3. Details of the supplier of the safety data sheet

Everris International B.V. 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 (CLP)

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



Signal Word: Warning

Hazard Statements:

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

EU Specific Hazard Statements:

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

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

Precautionary Statements:

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P103 - Read label before use

P391 - Collect spillage

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

Chemical name	EC-No.	CAS No	Weight-%	Classification according Regulation (EC) 1272/2008 [CLP]	REACH registration number
Glyphosate (in the form of isopropylamine salt)	254-056-8	38641-94-0	25 - 40%	Aquatic Chronic 2 (H411)	Exempt
Diflufenican	616-032-00-9	83164-33-4	1 - 5%	Aquatic Chronic 3 (H412)	Exempt
Alcohols, C11-14-iso-, C13-rich	271-235-6	68526-86-3	1 - 5%	Aquatic Acute 1 (H400)	01-2119454259-32
Propylene glycol	200-338-0	57-55-6	1 - 5%	Not classified	no data available
Alcohols, C8-10, ethoxylated	615-247-5	71060-57-6	0.1 - 1%	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	01-2120119406-62
(2-Hydroxypropyl)ammonium phosphate	267-885-5	67952-32-3	0.1 - 1%	Met. Corr. 1 (H290) Acute Tox. 4 (H312) Eye Dam. 1 (H314) Skin Irrit. 1B (H318)	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)	Exempt

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. Drink plenty of water.

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

None under normal processing

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

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:

Carbon dioxide (CO₂). Dry chemical. Water spray. 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

Use extinguishing agent suitable for type of surrounding fire. In the event of fire and/or explosion do not breathe fumes. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

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:

Store in original container. Store in a closed container.

7.3. Specific end use(s)

Specific use(s)

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

Exposure scenario

Mixture. Not applicable.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

[Propylene glycol](#)

Australia	150 ppm TWA total vapour and particulates 474 mg/m ³ TWA total vapour and particulates 10 mg/m ³ TWA particulates only
Ireland	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 470 mg/m ³ STEL: 1410 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm
Latvia - OEL - TWAs	7 mg/m ³ TWA ({517})
Norway	TWA: 25 ppm TWA: 79 mg/m ³ STEL: 37.5 ppm

	STEL: 118.5 mg/m ³
Poland	TWA: 100 mg/m ³
UK EH40 WEL (8h)	10 mg/m ³ TWA 150 ppm TWA 474 mg/m ³ TWA

Derived No Effect Level (DNEL)**Predicted No Effect Concentration (PNEC)**

No data available

8.2. Exposure controls**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.

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

liquid

Appearance:

suspension

Color:

white.

Odor:

Odorless

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):

Not flammable

Vapor Pressure:

Solid. Not applicable.

Vapour density

Solid. Not applicable.

Relative density

No data available

Water Solubility:

No data available

Solubility(ies)

No data available

Partition Coefficient:

Solid. Not applicable.

Autoignition Temperature:

No data available

Decomposition Temperature:

No data available

Explosive Properties:

Doesn't present explosion hazard.

9.2. Other information**VOC Content (%):**

Solid. Not applicable.

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Not reactive.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

10.6. Hazardous decomposition products

None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

Unknown Acute Toxicity: 65% of the mixture consists of ingredient(s) of unknown toxicity.

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

Inhalation Inhalation of dust in high concentration may cause irritation of respiratory system.

Eye contact May cause slight irritation.

Skin Contact May cause irritation.

Ingestion May cause gastrointestinal discomfort if consumed in large amounts.

Information on Toxicological Effects

None known

Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glyphosate (in the form of isopropylamine salt)	= 10537 mg/kg (Rat)	= 7500 mg/kg (Rat) > 5000 mg/kg (Rabbit)	> 1.3 mg/L (Rat) 4 h
Diflufenican	= 2 g/kg (Rat)	= 2 g/kg (Rat)	
Alcohols, C11-14-iso-, C13-rich	> 2000 mg/kg (Rat)	> 2600 mg/kg (Rabbit)	
Propylene glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	
Alcohols, C8-10, ethoxylated	= 2700 mg/kg (Rat)		
1,2-Benzisothiazolin-3-one	= 1020 mg/kg (Rat)		

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

Serious eye damage/eye irritation Classification based on individual ingredients of the mixture.

Respiratory or skin sensitization Classification based on individual ingredients of the mixture.

Germ Cell Mutagenicity Classification based on individual ingredients of the mixture.

Carcinogenicity Classification based on individual ingredients of the mixture.

Reproductive Toxicity Classification based on individual ingredients of the mixture.

STOT - Single Exposure Classification based on individual ingredients of the mixture.

STOT - Repeated Exposure Classification based on individual ingredients of the mixture.

Aspiration Hazard Classification based on individual ingredients of the mixture.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Should not be released into the environment

Unknown Aquatic Toxicity

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

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Glyphosate (in the form of isopropylamine salt)	-	8.3: 96 h Oncorhynchus mykiss mg/L LC50 static 2.3: 96 h Pimephales promelas 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
Propylene glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	-	10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static

12.2. Persistence and degradability

Persistence and Degradability:

No persistent or cumulative effects were observed.

12.3. Bioaccumulative potential

Bioaccumulation:

No data available.

Chemical name	LOGPOW
Propylene glycol	-1.07
1,2-Benzisothiazolin-3-one	1.3

12.4. Mobility in soil

Mobility in soil

No data available.

12.5. PBT and vPvB assessment

PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Mobility:

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 reuse container.

Other Information Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG

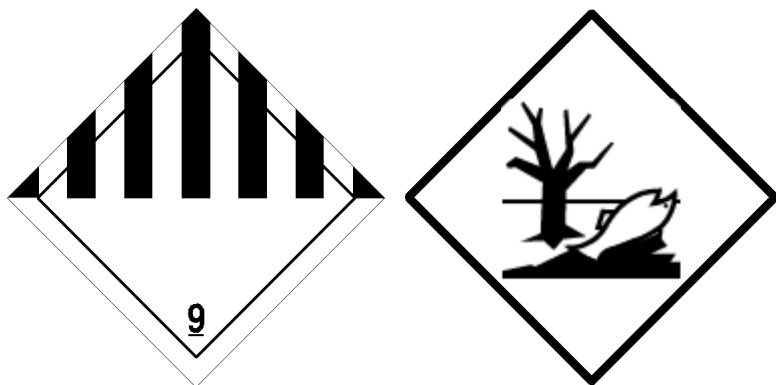
14.1	UN-No:	3082
14.2	Proper shipping name:	Environmentally Hazardous Substance Liquid N.O.S.(Diflufenican solution)
14.3	Hazard Class:	9
14.4	Packing group:	III
14.5	Marine Pollutant:	This material meets the definition of a marine pollutant
Chemical name		
Glyphosate (in the form of isopropylamine salt) 38641-94-0 (25 - 40%)		IMDG - Marine Pollutants Yes
Alcohols, C11-14-iso-, C13-rich 68526-86-3 (1 - 5%)		Yes
1,2-Benzisothiazolin-3-one 2634-33-5 (< 0.1%)		Yes
Environmental Hazard		Yes
14.6	EmS:	F-A , S-F
	Special Provisions	None
14.7	Bulk transport according Annex II of MARPOL and IBC Code	No data available

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

Belgium

Denmark

Denmark

No data available

France

ICPE

Not regulated

Germany

LGK (Germany)

No data available

Water Endangering Class (WGK):

2 (Everris classification)

Gefahrstoffverordnung (Germany) TRGS 511

Not applied

Component	German WGK Section
Alcohols, C11-14-iso-, C13-rich 68526-86-3 (1 - 5%)	Reg. no. 7225, hazard class 2 - obviously hazardous to water
Propylene glycol 57-55-6 (1 - 5%)	Reg. no. 280, hazard class 1 - slightly hazardous to water
1,2-Benzisothiazolin-3-one 2634-33-5 (< 0.1%)	Reg. no. 5141, hazard class 2 - obviously hazardous to water

Registration number (UK):

MAPP 16118

15.2 Chemical safety assessment

Substance(s) usage is covered according to Reach regulation 1907/2006

Take note of Dir. 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work

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 phrase: CLP (EU) specific hazard statement
 LD50: Lethal dose, 50%.
 LC50: Lethal concentration, 50%.
 SVHC: Substance of Very High Concern.

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 (CLP).

Prepared by

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

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Restrictions on use

Restricted to professional users

Reason for revision

*** Indicates changes since the last revision. This version replaces all previous versions

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