

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

SAFETY DATA SHEET

Weedol PS Pathclear Weedkiller

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Weedol PS Pathclear Weedkiller

Specification Number : 320000007162

Product code : UKS183B Product description : Herbicide.

Product type : Milky liquid suspension

Other means of identification : 300000004772

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

Recommended use and : For use only as a home garden herbicide

restrictions

1.3 Details of the supplier of the safety data sheet

Evergreen Garden Care UK Ltd 1, Archipelago, Lyon Way, Frimley, Surrey, GU16 7ER United Kingdom

INFO-SDS@evergreengarden.com

1.4 Emergency telephone number

National advisory body/Poison Center

24 h. EMERGENCY : 01865 407 333

TELEPHONE NUMBER

Non-Emergency Calls : 01276 401300

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition Mixture

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

Aquatic chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word

Hazard pictograms

No signal word.

Hazard statements

Toxic to aquatic life with long lasting effects.

Precautionary statements

General

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

hand.

Prevention

P102 Keep out of reach of children.

P103 Read label before use.

P270 Do not eat, drink or smoke when using this product.

Response P391 Collect spillage.

Storage P234 Keep only in the original container.

Disposal P501 Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Supplemental label elements EUH401 To avoid risks to human health and the environment,

comply with the instructions for use.

SP1 Do not contaminate water with the product or its container.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures

Not applicable.

and articles

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII Not applicable.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Туре
Glyphosate, compound with 2-propylamine (1:1)	EC:254-056-8 CAS : 38641-94-0 Index:	<=1	Aquatic Chronic 2, H411	[1]
Diflufenican	EC: CAS: 83164-33-4 Index:616-032-00-9	<=0.1	Aquatic Acute 1, H400 Aquatic Chronic 3, H412	[1]
1,2-benzisothiazolin-3-one	EC:220-120-9 CAS: 2634-33-5 Index:613-088-00-6	<=0.5	Acute Tox. 4, H302 (oral) Skin Corr./Irrit. 2, H315 Eye Dam./Irrit. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	[1]

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Page:4/15

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable

for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and

get medical attention immediately. Maintain an open airway.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated

clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. If material has been swallowed and the

exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

Protection of first-aiders : No action shall be taken involving any personal risk or without

suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire. **Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

: No specific data.

Hazardous thermal decomposition products

Version: 1.2

5.3 Advice for firefighters

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Additional information : Not available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

or reisonal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

For non-emergency personnel

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

Spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations Industrial sector specific solutions Not available.Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNEL/DMEL Summary

Not available.

PNEC Summary

Not available.

8.2 Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of

Page:8/15

mixtures, consisting of several substances, the protection time of the

gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based

on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying

with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of

environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be

necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid [Milky liquid suspension]

Color : White

Odor : Characteristic
Odor threshold : Not available.
pH : Not available.
Melting point/freezing point : Not available.
Initial boiling point and boiling : Not available.

range

Flash point : > 85 °C

Evaporation rate : Not available. **Flammability (solid, gas)** : Not available.

Upper/lower flammability or : **Lower:** Not available. **explosive limits** : **Upper:** Not available.

Vapor pressure

Vapor density

Relative density

Solubility(ies)

Partition coefficient: n
Not available.

Not available.

Not available.

Not available.

octanol/water

Auto-ignition temperature : Not available. **Decomposition temperature** : Not available.

Viscosity : Dynamic: Not available.

Kinematic: Not available.

Explosive properties : Not available. **Oxidizing properties** : Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

No specific test data related to reactivity available for this product or 10.1 Reactivity

its ingredients.

10.2 Chemical stability The product is stable.

10.3 Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions

will not occur.

10.4 Conditions to avoid No specific data.

10.5 Incompatible materials No specific data.

10.6 Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No known significant effects or critical hazards. Conclusion/Summary

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary

Skin Non-irritating Eyes Non-irritating Respiratory Not available.

Sensitization

Conclusion/Summary

Not sensitizing Skin Respiratory No results available.

Mutagenicity

No known significant effects or critical hazards. **Conclusion/Summary**

Carcinogenicity

Conclusion/Summary No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary: No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes

of exposure

Not available.

Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : No known significant effects or critical hazards.

General: No known significant effects or critical hazards.Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure	
Diflufenican				
	Acute EC50 0.00025	Aquatic plants -	72 h	
	mg/l Fresh water	Microalgae		
Weedol PS Pathclear Weedkiller				
	Acute EC50 0.299 mg/l	Aquatic plants -	72 h	
	Fresh water	Microalgae		

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary: No known significant effects or critical hazards.

12.3 Bioaccumulative potential : Not available

12.4 Mobility in soil

Soil/water partition coefficient

(KOC)

Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : P: Not available.

B: Not available.T: Not available.

vPvB : vP: Not available.

vB: Not available.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : Disposal of this product, solutions and any by-products should at all

times comply with the requirements of environmental protection and

waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Do not contaminate water with

the product or its container.

Hazardous waste : Within the present knowledge of the supplier, this product is not

regarded as hazardous waste, as defined by EU Directive

91/689/EEC.

European waste catalogue (EWC)

Waste code	Waste designation
-	Not available.

Packaging

Methods of disposal

: Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate, compound with 2- propylamine (1:1))	ENVIRONMENT ALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate compound with 2- propylamine (1:1))	ENVIRONMENTA LLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate compound with 2- propylamine (1:1))	ENVIRONMENT ALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glyphosate compound with 2- propylamine (1:1))
14.3 Transport hazard class(es)	Class 9: Miscellaneous	Class 9: Miscellaneous	Class 9: Miscellaneous	Class 9: Miscellaneous
14.4 Packing group	hazardous material.	hazardous material.	hazardous material.	hazardous material.
14.5. Environmental hazards	Yes.	Yes.	Yes.	Yes.
Additional information	The environmentally hazardous substance mark is not required when transported in sizes of <=5 L or <=5 kg. Tunnel code: (E)	The environmentally hazardous substance mark is not required when transported in sizes of <=5 L or <=5 kg.	The marine pollutant mark is not required when transported in sizes of <=5 L or <=5 kg. Marine pollutant: Yes.	The environmentally hazardous substance mark is not required when transported in sizes of <=5 L or <=5 kg.

Page: 13/15

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV: None of the components are listed.

Substances of very high concern: None of the components are listed.

Other EU regulations

Europe inventory

Integrated pollution prevention and control list (IPPC) - Air

Integrated pollution prevention and control list (IPPC) - Water

At least one component is not listed.

Not listed

Not listed

Aerosol dispensers

Not applicable.

Seveso II Directive

This product is not controlled under the Seveso II Directive.

National regulations

Classified installations for environmental protection

: Law of July 19, 1976 and application decree of September 21, 1977 concerning classified installations for environmental protection. Number(s) of the nomenclature that may apply: 1172

International regulations

Montreal Protocol (Annexes A, B, C, E)

None of the components are listed.

Stockholm Convention on Persistent Organic Pollutants

Annex A - Elimination - Production

None of the components are listed.

Annex A - Elimination - Use

None of the components are listed.

Page: 14/15

Annex B - Restriction - Production

None of the components are listed.

Annex B - Restriction - Use

None of the components are listed.

Annex C - Unintentional - Production

None of the components are listed.

Rotterdam Convention on Prior Inform Consent (PIC)

UNECE Aarhus Protocol on POPs and Heavy Metals

Heavy metals - Annex 1

None of the components are listed.

POPs - Annex 1 - Production

None of the components are listed.

POPs - Annex 1 - Use

None of the components are listed.

POPs - Annex 2

None of the components are listed.

POPs - Annex 3

None of the components are listed.

International lists

National inventory

United States

At least one component is not listed.

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage

of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International

Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation

[Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Page:15/15

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Aquatic Acute 1, H411	On basis of test data

Full text of abbreviated H statements

H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long
	lasting effects.
H410	Very toxic to aquatic life with
	long lasting effects.
H411	Toxic to aquatic life with long
	lasting effects.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin
	reaction.

Full text of classifications [CLP/GHS]

Aquatic Acute 1, H400	AQUATIC HAZARD (ACUTE)
	- Category 1
Aquatic Chronic 3, H412	AQUATIC HAZARD (LONG-
	TERM) - Category 3
Aquatic Chronic 1, H410	AQUATIC TOXICITY
	(CHRONIC) - Category 1
Aquatic Chronic 2, H411	AQUATIC TOXICITY
	(CHRONIC) - Category 2
Acute Tox. 4, H302	ACUTE TOXICITY - Category
	4
Skin Corr./Irrit. 2, H315	SKIN
	CORROSION/IRRITATION -
	Category 2
Eye Dam./Irrit. 1, H318	SERIOUS EYE DAMAGE/
	EYE IRRITATION - Category 1
Skin Sens. 1, H317	SKIN SENSITIZATION -
	Category 1

Date of printing Date of issue/ Date of revision Date of previous issue Version 28.02.2019 28.02.2019 03.01.2017 1.2

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex to the extended Safety Data Sheet (eSDS) Identification of the substance or mixture

Product definition : Mixture

Product name : Weedol PS Pathclear Weedkiller