

SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

Trade name and/or other names and company product codes by which the mixture can be identified

Product name: SH965L SPOT ON PRO WEED & MOSS KILLER

Product code: SH965L

1.2 Relevant identified uses of the mixture and uses advised against

1.2.1 Relevant identified uses

Only as a Herbicide and Mosskiller

1.2.2 Uses advised against

n/a

1.3 Details of the supplier of the safety data sheet

Address: Optimal Hygiene Limited, William Street, Northam, Southampton, SO14 5QH. Telephone: 0330 0431029 Email: info@optimalhygiene.co.uk

1.4 Emergency telephone number

For advice on medical emergencies, call, the National Poisons Information service below.

For advice on fires or major spills: Call the Environment Agency incident hotline:

Telephone: 0800 80 70 60 24-hour service.

Time Zone: 24hr GMT

Language(s) of phone service: All languages

National Emergency Telephone Numbers

UK / UK National Poisons Information Service

0121 507 4123 / 24h (GMT) / English

SECTION 2. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

2.1 Classification of the substance or mixture

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

Skin Irrit 2: H315, Eye Dam 1. H318

2.2 Label elements

Labelling according to Regulation (EC) no. 1272/2008 [CLP]

Hazard pictograms



GHS05

Signal word: DANGER

Hazard statements

H315: Causes skin irritation.

H318: Causes serious eye damage.

Precautionary statements

P280: Wear protective gloves / protective clothing / eye protection / face protection

P302+P352: IF ON SKIN: Wash with plenty of soap and water

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

P310: Immediately call a POISON CENTER or doctor/physician

P332+P313: If skin irritation occurs: Get medical advice/attention

P362+P364: Take off contaminated clothing and wash before reuse

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

2.3 Other hazards

No further information.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**3.2 Mixtures**

Chemical Name	CAS-No./ EC-No.	Conc. (w/w)	Classification according to Reg. 1272/2008
Acetic Acid	CAS: 64-19-7 EC: 200-580-7	24%	Flammable liquid, H226; Causes severe skin burns and eye damage H314
Alcohol ethoxylate	CAS: 69011-36-5 EC: 931-138-8	8%	Acute tox 4 H302 Eye damage 1 H318

Additional information

For full text of H-phrases and classification categories if not already given, see Section 16.

SECTION 4. FIRST AID MEASURES**4.1. Description of first aid measures**

General information:

Show this safety data sheet to the doctor.

Remove any clothing soiled by the product.

After inhalation:

Supply fresh air or oxygen; call for doctor. If breathing is irregular or stopped, administer artificial respiration.

After skin contact:

If on skin; Wash with plenty of soap and water.

After eye contact:

Remove contact lenses. Rinse opened eye for several minutes under running water. Then consult doctor. Continue to rinse.

After swallowing:

Wash out mouth thoroughly, seek medical advice immediately, show label or container.

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

None reported.

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

None reported. Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

The product is not directly flammable. Use CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases possible during heating or in fire: carbon monoxide (CO) and hydrocarbons.

5.3. Advice for firefighters

Put on self-contained breathing apparatus, and appropriate protective clothing. Do not inhale explosion or combustion gases. Cool endangered containers with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures**6.1.1 For non-emergency personnel**

Wear protective equipment. Keep unprotected people away.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid binding material (sand, diatomite, acid binder, universal binder, sawdust). Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation..

Other information: Not Applicable

6.4. Reference to other sections

Refer to Section 7 for safe handling, 8 for personal protective equipment and to Section 13 for disposal instructions.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Wash hands before breaks and at the end of work.

Eye wash facilities and emergency shower must be available when handling this product.

Information about protection against explosions and fires:

Keep ignition sources away. Do not smoke. The product is not flammable.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Requirements to be met by storerooms and containers: Keep container tightly sealed.

Store in cool, dry place. Store only in original container.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Store under dry conditions. Protect from frost. Protect from heat and direct sunlight.

7.3 Specific end use(s)

Product for professional use only as directed by the product label.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Occupational Exposure limit values

Occupational Exposure limit values have been set for the following components:

HSE document EH40/2005 (Fourth Edition 2020)

Acetic acid – CAS 64-19-7

Long term exposure limit: 10ppm/25mg.m³

Short term exposure limit: 20ppm/50mg.m³

Derived No-Effect Levels (DNELs): Not identified

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 product 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

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes and skin. Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing

Keep out of reach of children.

Keep children and pets away from treated areas until spray has dried.

Breathing equipment:

In the case of insufficient ventilation, breathing protection is recommended. Recommended filter device: Filter E

Eye and face protection:

Wear suitable eye 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 chemical 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.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

All the data contained in this section are derived from similar mixtures unless otherwise stated.

a)	Physical state:	liquid
	Colour:	Colourless
b)	Odour:	Characteristic
c)	Odour threshold:	No data available
d)	Melting point/freezing point:	No data available
e)	Initial boiling point and boiling range:	No data available
f)	Flammability (gas, liquid, solid):	Not flammable
g)	Upper/lower explosion limits:	Not explosive
h)	Flash point:	Not applicable
i)	Auto-ignition temperature:	No data available
j)	Decomposition temperature:	No data available
k)	pH:	3.37-3.39 @ 20°C
l)	Dynamic viscosity	No data available
m)	Solubility(ies)	Completely soluble in water
n)	Partition coefficient: n-octanol/water:	No data available
o)	Vapour pressure:	No data available
p)	Density/relative density	1.01 g/cm ³
q)	Relative vapour density	No data available
r)	Particle characteristics	No data available

9.2 Other information**9.2.1 Information with regard to physical hazard classes**

No further information available

9.2.2 Other safety characteristics

None

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No additional information available.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

No decomposition if used according to specifications. In fire conditions or when heated to high temperatures, toxic gases such as carbon monoxide and carbon dioxide may be released.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**(a) acute toxicity:**

LD/LC50 values that are relevant for classification (from active substance):

Acute toxicity Oral LD50: 3310 mg/kg (rat) Dermal LD50: >2000 mg/kg (rat)

Inhalation LC50/4 h > 40 mg/l (rat)

(b) skin corrosion/irritation:

Product is classified as skin irritant

(c) serious eye damage/irritation:

Product is classified for eye damage.

(d) respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

(e) germ cell mutagenicity:

Based on available data, the classification criteria are not met.

(f) carcinogenicity:

Based on available data, the classification criteria are not met.

(g) reproductive toxicity:

Based on available data, the classification criteria are not met.

(h) STOT-single exposure:

Based on available data, the classification criteria are not met.

(i) STOT-repeated exposure:

Based on available data, the classification criteria are not met.

(j) aspiration hazard:

Based on available data, the classification criteria are not met.

11.2 Information on other hazards:

Endocrine disrupting properties: None

Other information: None

SECTION 12. ECOLOGICAL INFORMATION

All the information and data contained in this section are derived from data on the active substance, unless indicated otherwise.

12.1 Toxicity

Fish LC50: >300 mg/l Daphnia LC50: >300 mg/l Algae EC50: >300 mg/l

12.2. Persistence and degradability

Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation potential expected to be low.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties

None.

12.7. Other adverse effects

Avoid release to the environment

Dangerous to bees. To protect bees and pollinating insects do not apply when crop plants and weeds are in flower. Do not use where bees are actively foraging.

Do not allow product to reach groundwater, water bodies or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste or used preparation: Dispose of unused product in its container at a hazardous waste site.

Disposal of packaging: Dispose of empty container at a hazardous waste site.

SECTION 15. TRANSPORT INFORMATION

14.1. UN number or ID number

2790

14.2. UN proper shipping name

Acetic acid solution

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

III

14.5. Environmental hazards

Marine pollutant: No

14.6. Special precautions for user

Kemler Number: 80

EMS Number: F-A, S-B

ADR:Tunnel restriction code E

14.7. Transport in bulk according to according to IMO instruments

Not applicable

SECTION 15. REGULATORY INFORMATION

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

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) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

National Regulations/legislation:

Refer to applicable national classification, packaging and labelling legislation.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment under Regulation (EC) 1907/2006 has been carried out.

SECTION 16. OTHER INFORMATION

(a) Abbreviations and acronyms:

Already noted within SDS text

(b) Key literature references and sources for data:

Safety Data Sheets for ingredients.

ECHA Database

ECHA Guidance on the compilation of safety data sheets

ECHA guidance on the Application of the CLP Criteria

(c) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008:

Calculation approved via evaluation as a plant protection product under regulation 1107/2009

(d) Relevant H-statements and precautionary statements not written out in full under Sections 2 to 15:

n/a

(e) Training advice:

General occupational hygiene training recommended.

(f) 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 Safety Data Sheet was compiled in compliance with Regulation (EC) 1907/2006 as amended by 2020/878.