



SAFETY DATA SHEET SOLVALL SPOTTER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name SOLVALL SPOTTER
Product No. B123

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

Identified uses A high performance blend of quick drying solvents, for the removal of oil based stains such as grease, tar, oil, bitumen, gum, cosmetics and fresh gloss paint from carpets, fabrics and most surfaces, subject to testing.

1.3. Details of the supplier of the safety data sheet

Supplier Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH
Telephone: 020 8974 1515
Fax: 020 8974 1511
www.prochem.co.uk
sales@prochem.co.uk

1.4. Emergency telephone number

020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R65. R43. R10, R52/53, R66.

Human health

Prolonged skin contact may cause redness, irritation and dry skin. May cause sensitisation by skin contact. Vapours may cause headache, fatigue, dizziness and nausea. Harmful: may cause lung damage if swallowed. Risk of chemical pneumonia after aspiration. May be fatal if swallowed and enters airways.

Environment

The product is not readily biodegradable. The product contains potentially bioaccumulating substances. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Contains HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS
d-LIMONENE

Labelling



Harmful

Risk Phrases

R10	Flammable.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

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Safety Phrases	R66	Repeated exposure may cause skin dryness or cracking.
	S2	Keep out of the reach of children.
	S23	Do not breathe vapour/spray.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves.
	S51	Use only in well-ventilated areas.
	S60	This material and its container must be disposed of as hazardous waste.
	S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	30-100%	
CAS-No.: 64741-65-7	EC No.: 918-167-1	Registration Number: 01-2119472146-39-0001
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	Classification (67/548/EEC) Xn;R65. R53,R66.	
ETHYL L-LACTATE	<5%	
CAS-No.: 687-47-8	EC No.: 211-694-1	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Eye Dam. 1 - H318 STOT SE 3 - H335	Classification (67/548/EEC) R10 Xi;R37,R41	
d-LIMONENE	<2.5%	
CAS-No.: 5989-27-5	EC No.: 227-813-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) R10 R43 Xi;R38 N;R50/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Get medical attention.

Ingestion

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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Skin contact

Wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

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

Inhalation

Irritation of nose, throat and airway. Vapours may cause headache, fatigue, dizziness and nausea. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion

May cause stomach pain or vomiting. Drowsiness, dizziness, disorientation, vertigo. Ingestion of large amounts may cause unconsciousness. Central nervous system depression.

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

If swallowed: Get medical attention immediately!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Flammable/combustible material. Extinguish with carbon dioxide or dry powder. Water spray should be used to cool containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Acids - organic.

Unusual Fire & Explosion Hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Ventilate well. Remove sources of ignition.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material. Collect and dispose of spillage as indicated in section 13. Wash area of spillage with plenty of water and detergent.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. In case of inadequate ventilation use suitable respirator. Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product. DO NOT SMOKE IN WORK AREA!

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition. Static electricity and formation of sparks must be prevented. Store in closed original container at temperatures between 5°C and 30°C. Store away from: Strong acids. Alkalis. Oxidising materials. Keep out of the reach of children.

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7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	SUP	150 ppm	1000 mg/m ³			SUP = Supplier's recommendation.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. The product contains organic solvents. Use chemical cartridge protection with appropriate cartridge.

Hand protection

Solvent resistant nitrile gloves are recommended. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Eye protection

Side shield safety glasses are recommended when handling this product.

Hygiene measures

Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid. Solvent.
Colour	Colourless.
Odour	Aromatic. Orange.
Solubility	Insoluble in water Soluble in: Hydrocarbons.
Initial boiling point and boiling range (°C)	Not determined.
Melting point (°C)	Not determined.
Relative density	0.79
Vapour density (air=1)	Not determined.
Vapour pressure	Not determined.
Evaporation rate	Not determined.
pH-Value, Conc. Solution	Not applicable.
pH-Value, Diluted Solution	Not applicable.
Viscosity	Not determined.
Decomposition temperature (°C)	Not determined.

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Odour Threshold, Lower

Not determined.

Flash point (°C) 53.5 CC (Closed cup).

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Partition Coefficient (N-Octanol/Water)

Not determined.

Explosive properties

Not determined.

Other Flammability

Flammable/combustible material.

Oxidising properties

Not applicable.

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Alkalis.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Acids - organic.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Inhalation of vapour or mist may cause lung oedema. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Swallowing concentrated chemical may cause severe internal injury. May irritate and cause stomach pain, vomiting and diarrhoea.

Skin Corrosion/Irritation:

Prolonged contact may cause redness, irritation and dry skin. Defatting, drying and cracking of skin.

Serious eye damage/irritation:

Vapour or spray in the eyes may cause irritation and smarting.

Respiratory or skin sensitisation:

Contains Limonene May cause sensitisation by skin contact.

Germ cell mutagenicity:

No effects expected based upon current data.

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Carcinogenicity:

No effects expected based upon current data.

Reproductive Toxicity:

No effects expected based upon current data.

Toxicological information on ingredients.

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological information on ingredients.

d-LIMONENE (CAS: 5989-27-5)

Acute Toxicity - Fish

LC50 96 hours 0.7 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.92 mg/l Daphnia magna

Acute Toxicity - Microorganisms

EC50 3 hours 209 mg/l Activated sludge

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

Acute Toxicity - Fish

LC50 > 100 mg/l

Acute Toxicity - Aquatic Invertebrates

EC50 > 100 mg/l

Acute Toxicity - Aquatic Plants

IC50 > 100 mg/l

Chronic Toxicity - Fish Early life Stage

NOEC < 1.0 mg/l

Chronic Toxicity - Aquatic Invertebrates

NOEC < 10 mg/l

12.2. Persistence and degradability

Degradability

The product is more than 80% biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient

Not determined.

Ecological information on ingredients.

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

Partition coefficient

6.7-7.2

12.4. Mobility in soil

Mobility:

The product contains substances, which are insoluble in water and which may spread on water surfaces. The product contains organic solvents which will evaporate easily from all surfaces.

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12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not allow to enter drains, sewers or watercourses. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	3295
UN No. (IMDG)	3295

14.2. UN proper shipping name

Proper Shipping Name	Hydrocarbons, Liquid, N.O.S (Solvent Naphtha solution)
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14.3. Transport hazard class(es)

ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3

14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

No special storage precautions noted. Supplied in accordance with "Limited Quantity" provisions.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

EU Legislation

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. 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 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

Telephone 020 8974 1515

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date	14/01/2014
Revision	2
Supersedes date	24/04/2012
Signature	Aaron Saunders

Risk Phrases In Full

R10	Flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H318	Causes serious eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H413	May cause long lasting harmful effects to aquatic life.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.