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 number 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

www.prochem.co.uk
Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH

Telephone: 020 8974 1515
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 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

Physical hazards

Not Classified

Health hazards

Skin Sens. 1 - H317 Asp. Tox. 1 - H304

Environmental hazards

Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

Xn;R65. R43. R10,R52/53,R66.

Human health

Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitisation by skin contact. Vapours may cause headache, fatigue, dizziness and nausea. Harmful: may cause lung damage if swallowed. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. May be fatal if swallowed and enters airways.

Environmental

The product is not readily biodegradable. The product contains potentially bioaccumulating substances. The product contains a

substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product contains a substance which may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe vapours.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
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/doctor.
P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains Hydrocarbons, C11-C12, isoalkanes, <2% aromatics, d-Limonene

Detergent labelling aliphatic hydrocarbons, Contains

Supplementary precautionary statements

P405 Store locked up.

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 **60-100%**

CAS number: 64741-65-7 **EC number:** 918-167-1 **REACH registration number:** 01-2119472146-39-0001

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	Xn;R65. R53,R66.

DIPROPYLENE GLYCOL DIMETHYL ETHER **1-5%**

CAS number: 111109-77-4 **EC number:** 404-640-5

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H312 Acute Tox. 3 - H331	-

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d-Limonene	**<2.5%**
CAS number: 5989-27-5 **EC number:** 227-813-5	
M factor (Acute) = 1 **M factor (Chronic) =** 1	

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	R10 R43 Xi;R38 N;R50/53
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention.

Ingestion

Get medical attention immediately. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Show this Safety Data Sheet to the medical personnel.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Prolonged or repeated exposure may cause the following adverse effects: Dizziness. Drowsiness.

Ingestion

Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact

Eye contact may cause: Irritation, burning, lachrymation, blurred vision after liquid splash.

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

Notes for the doctor

No specific recommendations.

Specific treatments

No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Solvent vapours may form explosive mixtures with air. May ignite at high temperature.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Acids - organic. Acrid smoke or fumes.

5.3. Advice for firefighters

Protective actions during firefighting

Move containers from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Take precautionary measures against static discharges. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions

Environmental Manager must be informed of all major spillages. Do not discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid the spillage or runoff entering drains, sewers or watercourses. Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours and spray/mists. Avoid release to the environment. Do not use in confined spaces without adequate ventilation and/or respirator. Eliminate all sources of ignition. Take precautionary measures against static discharges.

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Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Clean equipment and the work area every day. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from the following materials: Oxidising materials. Strong acids. Alkalis. Store in tightly-closed, original container in a well-ventilated place. Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep away from food, drink and animal feeding stuffs. Only store in correctly labelled containers.

Storage class

Flammable liquid storage.

7.3. Specific end use(s)

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

Occupational exposure limits

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 150 ppm 1000 mg/m3
SUP = Supplier's recommendation.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. Wear suitable respiratory protection. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Side shield safety glasses are recommended when handling this product.

Hand protection

Solvent resistant nitrile gloves are recommended. To protect hands from chemicals, gloves should comply with European Standard EN374. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Hygiene measures

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

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

SOLVALL SPOTTER

Clear liquid. Solvent.

Colour

Colourless.

Odour

Aromatic. Orange.

Odour threshold

Not determined.

pH

Not applicable.

Melting point

Not determined.

Initial boiling point and range

Not determined.

Flash point

61°C CC (Closed cup).

Evaporation rate

Not determined.

Upper/lower flammability or explosive limits

Not determined.

Other flammability

Flammable/combustible materials.

Vapour pressure

Not determined.

Vapour density

Not determined.

Relative density

0.79

Solubility(ies)

Insoluble in water. Soluble in the following materials: Hydrocarbons.

Partition coefficient

Not determined.

Auto-ignition temperature

Not determined.

Decomposition Temperature

Not determined.

Viscosity

Not determined.

Explosive properties

Not determined.

Oxidising properties

Not applicable.

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

SOLVALL SPOTTER

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

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 agents. Alkalis.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO_2). Acids - organic.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

Inhalation of vapour or mist may cause lung oedema. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. 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 cause irritation. Stomach pain. Nausea, vomiting. Diarrhoea.

Acute toxicity - dermal

ATE dermal (mg/kg)

66666.66666667

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

175.0

Skin corrosion/irritation

Skin corrosion/irritation	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis., May cause sensitisation or allergic reactions in sensitive individuals.

Serious eye damage/irritation

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

Skin sensitisation

Contains Limonene May cause sensitisation by skin contact.

Germ cell mutagenicity

Genotoxicity - in vivo

No effects expected based upon current data.

Carcinogenicity

No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility

No effects expected based upon current data.

Aspiration hazard

Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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Toxicological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,000.0

Species

Rat

ATE oral (mg/kg)

5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

5000.0

Species

Rabbit

ATE dermal (mg/kg)

5000.0

SECTION 12: Ecological Information

Ecotoxicity

The product contains a substance which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

SOLVALL SPOTTER

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity - fish

LC50, : >100 mg/l,

Acute toxicity - aquatic invertebrates

EC_{50}, : > 100 mg/l,

Acute toxicity - aquatic plants

IC_{50}, : > 100 mg/l,

Acute toxicity - microorganisms

LC_{50}, : >100 mg/l,

Chronic toxicity - fish early life stage

Not available.

Chronic toxicity - aquatic invertebrates

NOEC, : >1.0 - <10 mg/l, Freshwater invertebrates

d-Limonene

Acute aquatic toxicity

LE(C)$_{50}$

0.1 < L(E)C50 ≤ 1

M factor (Acute)

1

Acute toxicity - fish

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

Acute toxicity - aquatic invertebrates

EC_{50}, 48 hours: 0.92 mg/l, Daphnia magna

Acute toxicity - microorganisms

EC_{50}, 3 hours: 209 mg/l, Activated sludge

Chronic aquatic toxicity

M factor (Chronic)

1

12.2. Persistence and degradability

Persistence and degradability

The product is more than 80% biodegradable.

12.3. Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient

Not determined.

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Partition coefficient

: 6.7-7.2

12.4. Mobility in soil

Mobility

The product is immiscible with water and will spread on the water surface. Absorbs to soil and has low mobility. Large volumes may penetrate soil and could contaminate groundwater.

SOLVALL SPOTTER

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Surface tension

23.5 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

National regulations

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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) (as amended). 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 (as amended).

15.2. Chemical safety assessment

SOLVALL SPOTTER

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	24/11/2014
Revision	3
Supersedes date	14/01/2014
Signature	Aaron Saunders

Risk phrases in full

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

Hazard statements in full

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.