



**Product Specification &**

**SAFETY DATA SHEET**

CHIP / EC FORMAT 91/155/EEC AMD 93/112/EC AMD 2001/58/EC

**B123**

**SOLVALL SPOTTER**



**SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY**

**Product Name:** SOLVALL SPOTTER **Product Code:** B123  
**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No: 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S  
**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.

**Product Description & Directions For Use:**

A high performance blend of non-chlorinated 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. Solvall Spotter is ready-to-use. Always pretest carpet, fabric or surface to be treated in an inconspicuous area before proceeding. Some dyes, latex and bitumen carpet tile backings are not stable to solvent. Scrape up any excess staining matter then apply Solvall Spotter directly to spot and blot immediately with white towel or tissue. **DO NOT OVER APPLY. DO NOT RUB.** For gum and heavy staining, allow solvent to penetrate before scraping or blotting. Repeat if necessary, working from outside to centre of large spots. Finally, spray and blot area with detergent prespray such as B108 Fabric Restorer to remove any water based soiling or ring marking. Brush carpet or fabric to align fibres.

**SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Aliphatic Hydrocarbon	Xn R65 R66 R53	649-275-00-4	64741-65-7	More than 30%
Dipropylene glycol dimethyl ether	None assigned	None	111109-77-4	15 to 30%
N-methyl pyrrolidone	Xi R36/38	212-828-1	872-50-4	Less than 5%
Fragrance (IFRA certified)	-	-	-	Less than 1%

**SECTION 3: HAZARDS IDENTIFICATION**

**Classification:** May cause long-term adverse effects in the aquatic environment. Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.  
**Eye Contact:** Contact with liquid or high concentration of vapour may cause slight eye irritation.  
**Skin Contact:** Prolonged or repeated contact will dry the skin and cause irritation and possible dermatitis.  
**Inhalation:** Excessive exposure above recommended level may cause headache and respiratory irritation.  
**Ingestion:** Low oral toxicity. May be harmful or fatal if swallowed and aspirated into lungs.  
**Environment:** Not inherently biodegradable. May bioaccumulate. Low hazard to animal and aquatic life.

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush immediately with water for 15 minutes holding eyelids apart, then seek medical attention.  
**Skin Contact:** Wash skin with soap and water. Use shower if necessary. Seek medical attention if skin irritation persists.  
**Inhalation:** Remove from exposure. Keep warm and at rest. If breathing is difficult, obtain immediate medical assistance and give oxygen.  
**Ingestion:** If swallowed, **DO NOT INDUCE VOMITING.** Seek medical advice immediately and show the container or label.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Product is flammable. Use carbon dioxide, dry powder extinguisher, or water spray to keep containers cool.  
**Fire/Explosion Hazards:** Potential explosion hazard in a fire. Vapours heavier than air. Flash point 60°C. Explosive limits for hydrocarbon in air 0.6% - 6% v/v.

**Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and other unidentified thermal decomposition products from this product or its packaging.  
**Special Protective Equipment:** Self contained breathing apparatus and full protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Avoid contact with liquid. Ventilate area and remove all sources of ignition. Wear protective clothing, nitrile butyl solvent resistant rubber gloves, chemical splash goggles. Under severe conditions use respiratory protection or breathing apparatus.  
**Containment and Disposal:** Prevent liquid from entering drains or water courses. Advise water authority if large amount of solvent enters drain or water course. Contain and absorb with sand, earth or vermiculite. Do not use combustible materials such as sawdust. Transfer to suitable container for disposal by licensed contractor at legal waste disposal site. Wash area of spillage with plenty of water and detergent.

**SECTION 7: HANDLING AND STORAGE**

**Handling Precautions:** Wear solvent resistant rubber gloves and safety glasses when handling liquid. Ensure adequate ventilation and eliminate all ignition sources - no smoking. Wear approved respirator for extended applications.  
**Storage Precautions:** Store in a cool dry ventilated area away from any sources of heat, ignition, static electricity or direct sunlight. Maximum recommended storage temperature is 30°C. Keep away from strong acids, alkalis and oxidising agents. Keep out of reach of children. Keep in original container.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits:** Aliphatic hydrocarbon: Occupational exposure limit not assigned by HSE EH/40 or ACGIH. Recommended OES-LTEL is 150ppm.

N-methyl pyrrolidone OES: TWA 8 hours 25ppm (103mg/m<sup>3</sup>) STEL 15 mins 75ppm (309mg/m<sup>3</sup>) (Sk)

**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794

**Eye Protection:** Side shield safety glasses are recommended when handling this product.

**Protective Clothing:** Standard work clothing and nitrile butyl solvent resistant rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Respiratory Protection:** For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, an approved organic solvent twin cartridge face mask with appropriate filter (e.g. 3M 6000 Series half-mask respirator) should be used.

**Ventilation:** Ensure good air circulation and ventilation in enclosed areas. Use forced air fans if necessary.

**Hygiene:** Wash hands and clothing after use or spill. Do not eat or drink when handling solvent. DO NOT SMOKE IN WORK AREA.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Colour/State:** Clear colourless liquid solvent

**Odour:** Orange citrate

**pH Concentrate:** Not applicable **pH Diluted:** Not applicable

**Boiling Point / Range °C:** 187-215 @ 760mmHg

**Flash Point °C:** 60 **Method:** PM Closed Cup

**Flammability Limit %:** 0.6 - 6

**Explosive Properties:** Not determined

**Oxidising Properties:** Not applicable

**Vapour Pressure:** 100Pa @ 20°C

**Relative Density (Water = 1):** 0.80

**Solubility:** Insoluble in water. Soluble in hydrocarbons.

**Partition Coefficient (N-octanol / Water):** Not determined

**Viscosity:** Not determined

**Vapour Density:** 4.5

**Evaporation Rate:** 0.09 (BuAc = 1)

**% Active:** 100

**% Solids:** Not applicable

## **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Heat, ignition sources, static build-up, direct sunlight.

**Incompatibility (Materials to Avoid):** Strong oxidising or alkaline agents.

**Hazardous Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and other unidentified thermal decomposition products from this product or its packaging.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Liquid and vapour (at higher temperatures and concentrations) may cause transient eye irritation effects.

**Skin Contact:** Prolonged exposure will cause defatting and may produce a dry, scaly and fissured dermatitis.

**Inhalation:** Excessive exposure to hydrocarbon vapour at high temperatures may cause central nervous depression. Acute overexposure to inhalation of spray mist may cause lung congestion and oedema.

**Ingestion:** Low oral toxicity. Large amounts may cause irritation of digestive tracts, vomiting and diarrhoea followed by CNS effects. Chemical pneumonia and pulmonary oedema if quantities are aspirated into lungs.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 3600mg/kg (Oral-rat) (N-methyl pyrrolidone)

LD50 3300mg/kg (Oral-rat) (Dipropylene glycol dimethyl ether)

**Corrosivity / Irritation:** Skin, eye and respiratory

**Sensitisation:** None Known

**Repeated Dose Toxicity:** Not established

**Mutagenicity:** None

**Carcinogenicity:** None

**Teratogenicity:** None

## **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Low aquatic and mammalian toxicity.

**Mobility:** Will float on water and evaporate slowly. Dissolved material adsorbs strongly to soil and sediment and is not mobile. Product remaining on soil surface evaporates within one day.

**Persistence and Degradability:** Not inherently biodegradable. Oxidises rapidly by photochemical reactions in air. Integrated environmental half-life expected to be 10 - < 100 days. The major packaging materials of polyethylene and fibreboard are recyclable.

**Bioaccumulative Potential:** Has potential to bioaccumulate.

**Other Effects:** None known or no relevant data available for substances in this preparation.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste cleaning solvent effluent should be transferred to suitable containers and disposed of in accordance with special waste regulations (Special Waste Regulations 1996, Environment Act 1995 and Environmental Protection Act 1990). Do not allow solvent to enter drains. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site. Contact local Environment Agency office for waste holder requirements.

## **SECTION 14: TRANSPORT INFORMATION**

**UN No:** 3295

**Classification:** Flammable Liquid

**Proper Shipping Name:** Hydrocarbons, Liquid, N.O.S (Solvent Naphtha solution)

**Packing Group:** III

**Road (ADR):** Class 3 'limited quantity'

**Sea (IMDG):** Class 3 'limited quantity'

**Air (ICAO / IATA):** Class 3

**Rail (RID):** Class 3

## **SECTION 15: REGULATORY INFORMATION**

**Classification:** Xn HARMFUL

**Risk Phrases**

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.

**Safety Phrases**

S2 Keep out of the reach of children.

S23 Do not breathe vapour.

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.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended).

This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

## **SECTION 16: OTHER INFORMATION**

**Risk Phrases:** R36 Irritating to eyes. R38 Irritating to skin. 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.

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.

**Revisions:** Replaces SDS B123 Issue / Revision Date 01/08/03 Revised Sections: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16