



Product Specification &

SAFETY DATA SHEET

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



A277 SOLVEX

SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: SOLVEX **Product Code:** A277

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

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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 non-volatile water-rinsable solvent and detergent spot remover for oil-based paint, emulsion paint, solvent soluble ink and other solvent soluble stains on carpets, fabrics and hard surfaces.

Always pretest carpet, fabric or surface to be treated before proceeding. Do not use on solvent sensitive fibres or surfaces (such as some plastics).

Apply A277 Solvex directly to stain. DO NOT OVER-APPLY.

Scrape any softened residues with a blunt knife or blot spots gently with white towel or tissue. DO NOT RUB. Repeat application if required. For best results, rinse extract with water to remove all residues and prevent ring marks.

Note: Some old ink and paint marks may be permanent.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| SUBSTANCE | RISK (See Section 16) | EINECS NO. | CAS NO. | % W/W (EC RANGE) |
|-----------------------------------|-----------------------|------------|------------|------------------|
| 2-(2-butoxyethoxy)ethanol | Xi R36 | 203-961-6 | 112-34-5 | More than 30% |
| Naptha (petroleum) heavy alkylate | Xn R65 R66 R53 | 265-067-2 | 64741-65-7 | 15 to 30% |
| Soybean oil, methyl ester | Xi R36/38 | 267-055-2 | 67784-80-9 | 5 to 15% |
| Ethyl lactate | R10 Xi R41 R37 | 202-598-0 | 97-64-3 | 5 to 15% |
| Primary alcohol ethoxylate | Xi R41 | None | 68439-45-2 | 5 to 15% |

SECTION 3: HAZARDS IDENTIFICATION

Classification: Harmful: May cause lung damage if swallowed. Risk of serious damage to eyes. Repeated exposure may cause skin dryness or cracking.

Eye Contact: Contact with liquid may cause irritation and damage to eyes.

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 breathing irritation.

Ingestion: Low oral toxicity. May be harmful or fatal if swallowed and aspirated into lungs.

Environment: Not inherently biodegradable. May bioaccumulate. See Ecological Information for further details.

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 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: Use water, carbon dioxide, dry powder extinguisher, foam, or water spray to keep containers cool.

Fire/Explosion Hazards: Vapours heavier than air. Flash point 57°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, 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 source 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 the reach of children. Keep in original container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Naptha (petroleum) heavy alkylate: suggested WEL-LTEL 150ppm.

Environmental Controls: For additional guidance, contact ENVIROWISE at www.envirowise.gov.uk or telephone 0800 585794

Eye Protection: Side shield safety glasses or goggles are recommended when handling.

Protective Clothing: Standard work clothing and 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 an approved organic solvent twin cartridge face mask 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: Solvent clear liquid

Odour: Solvent

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

Boiling Point / Range °C: 176

Flash Point °C: 57 **Method:** PM Closed Cup

Flammability Limit %: Not determined

Explosive Properties: Not determined

Oxidising Properties: Not applicable

Vapour Pressure: Not determined

Relative Density (Water = 1): 0.88 **Solubility:** Not determined

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 100

% Solids: 5

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

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

Incompatibility (Materials to Avoid): Strong oxidising, acids 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: Contact with concentrate may produce significant irritation and possible damage.

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

Inhalation: May be harmful or fatal if aspirated into lungs. 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 6.6g/Kg (oral-rat) (2-(2-butoxyethoxy)ethanol)

LD50 >2000mg/Kg (dermal-rat) (Naptha (petroleum) heavy alkylate)

LD50 >2000mg/Kg (oral-rat) (Naptha (petroleum) heavy alkylate)

LD50 >2000mg/Kg (oral) (primary alcohol ethoxylate)

LD50 >2000mg/Kg (dermal) (primary alcohol ethoxylate).

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.

EC50 Daphnia 48hrs 1000mg/l (2-(2-butoxyethoxy)ethanol)

LC50 Goldfish 24hrs 2700mg/l (2-(2-butoxyethoxy)ethanol)

Mobility: Hydrocarbon solvent 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 surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

The major packaging materials of polyethylene and fibreboard are recyclable.

Bioaccumulative Potential: Naptha (petroleum) heavy alkylate has a high 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 hazardous waste regulations (The Hazardous Waste Regulations 2005, 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

Sea (IMDG): Class 3

Air (ICAO / IATA): Class 3

Rail (RID): Class 3

SECTION 15: REGULATORY INFORMATION

Classification: Xn HARMFUL

Risk Phrases

R41 Risk of serious damage to eyes.

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.

S35 This material and its container must be disposed of in a safe way.

S37/39 Wear suitable gloves and eye/face protection.

S51 Use only in well ventilated areas.

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), **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (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: R10 Flammable. R36 Irritating to eyes. R37 Irritating to the respiratory system. R38 Irritating to skin. R41 Risk of serious damage to eyes. 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 A277 Issue / Revision Date 01/05/05
Revised Sections: 1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 15, 16