



**SAFETY DATA SHEET**  
**SOLVEX**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name** SOLVEX  
**Product number** A277

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

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.

**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**

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**

Eye Dam. 1 - H318 Asp. Tox. 1 - H304

**Environmental hazards**

Not Classified

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

Xn;R65. Xi;R36. R66.

**Human health**

Irritating to eyes. May cause serious eye damage. Prolonged contact may cause redness, irritation and dry skin. Vapours may cause headache, fatigue, dizziness and nausea. Central nervous system depression. May cause respiratory system irritation. Harmful: may cause lung damage if swallowed. 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.

**Environmental**

Inherently biodegradable. The product contains potentially bioaccumulating substances.

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**Physicochemical**

None.

**2.2. Label elements**

**Pictogram**



**Signal word**

Danger

**Hazard statements**

H304 May be fatal if swallowed and enters airways.  
 H318 Causes serious eye damage.

**Precautionary statements**

P102 Keep out of reach of children.  
 P260 Do not breathe vapour/spray.  
 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 national regulations.

**Supplemental label information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains**

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS, ALCOHOLS, C9-11, ETHOXYLATED

**Detergent labelling**

Aliphatic hydrocarbons, 5 - < 15% non-ionic surfactants

**2.3. Other hazards**

See section 8 for details of exposure limits.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

<b>(2-METHOXYMETHYLETHOXY)PROPANOL</b>		<b>30-60%</b>
CAS number: 34590-94-8 EC number: 252-104-2		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Not Classified	-	
<b>HYDROCARBONS, C11-C12, ISOALKANES, &lt;2% AROMATICS</b>		<b>10-24%</b>
CAS number: 64741-65-7 EC number: 918-167-1 REACH registration number: 01-2119472146-39-0001		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn;R65. R53,R66.	
Asp. Tox. 1 - H304		
Aquatic Chronic 4 - H413		

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<b>ALCOHOLS, C9-11, ETHOXYLATED</b>	<b>1-9%</b>
<b>CAS number:</b> 68439-45-2 <b>EC number:</b> —	
<b>Classification</b> Eye Dam. 1 - H318 Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.

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

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Get medical attention.

##### Ingestion

Get medical attention immediately. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

##### Skin contact

Wash skin thoroughly 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. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression. 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

##### Notes for the doctor

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

##### Specific hazards

No unusual fire or explosion hazards noted.

##### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

##### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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### 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 contact with skin and eyes. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn.

#### 6.2. Environmental precautions

##### Environmental precautions

Avoid the spillage or runoff entering drains, sewers or watercourses. 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

Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material. For waste disposal, see section 13.

#### 6.4. Reference to other sections

##### 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

##### Usage precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage precautions

Store in closed original container at temperatures between 5°C and 30°C. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

#### 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

##### (2-METHOXYMETHYLETHOXY)PROPANOL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

Sk

##### HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

Long-term exposure limit (8-hour TWA): SUP 150 ppm 1000 mg/m<sup>3</sup>

SUP = Supplier's recommendation.

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

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### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

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

#### Eye/face protection

Side shield safety glasses are recommended when handling this product.

#### 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.

#### Hygiene measures

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

#### Respiratory protection

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

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## SECTION 9: Physical and Chemical Properties

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### 9.1. Information on basic physical and chemical properties

#### Appearance

Clear liquid. Solvent.

#### Colour

Colourless.

#### Odour

Solvent.

#### Odour threshold

Not determined.

#### pH

Not applicable.

#### Initial boiling point and range

Not determined.

#### Flash point

66°C CC (Closed cup).

#### Evaporation rate

Not determined.

#### Upper/lower flammability or explosive limits

Not determined.

#### Vapour pressure

Not determined.

#### Vapour density

Not determined.

#### Relative density

0.88 @ °C

#### Solubility(ies)

Not determined.

#### Partition coefficient

Not determined.

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### Auto-ignition temperature

Not determined.

### Viscosity

Not determined.

### Explosive properties

Not determined.

### Oxidising properties

Not applicable.

## 9.2. Other information

### Other information

None.

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

#### Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

#### Possibility of hazardous reactions

Not determined.

### 10.4. Conditions to avoid

#### 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. Acids. Alkalis.

### 10.6. Hazardous decomposition products

#### Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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## SECTION 11: Toxicological information

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### 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. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

#### Acute toxicity - oral

##### ATE oral (mg/kg)

10,000.0

#### Skin corrosion/irritation

##### Animal data

Product has a defatting effect on skin. May cause allergic contact eczema.

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### Serious eye damage/irritation

#### Serious eye damage/irritation

May cause severe eye irritation.

### Skin sensitisation

#### Skin sensitisation

None known.

### Germ cell mutagenicity

#### Genotoxicity - in vivo

No effects expected based upon current data.

### Carcinogenicity

#### Carcinogenicity

No effects expected based upon current data.

### Reproductive toxicity

#### Reproductive toxicity - fertility

No effects expected based upon current data.

#### Toxicological information on ingredients.

#### (2-METHOXYMETHYLETHOXY)PROPANOL

##### Acute toxicity - oral

##### Acute toxicity oral (LD50 mg/kg)

5,135

##### Species

Rat

##### Acute toxicity - dermal

##### Acute toxicity dermal (LD50 mg/kg)

20

##### Species

Rabbit

#### ALCOHOLS, C9-11, ETHOXYLATED

##### Acute toxicity - oral

##### Acute toxicity oral (LD50 mg/kg)

300

##### Acute toxicity - dermal

##### Acute toxicity dermal (LD50 mg/kg)

2000

#### HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

##### Acute toxicity - oral

##### Acute toxicity oral (LD50 mg/kg)

5,000

##### Species

Rat

##### Acute toxicity - dermal

##### Acute toxicity dermal (LD50 mg/kg)

5000

##### Species

Rabbit

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### SECTION 12: Ecological Information

#### 12.1. Toxicity

##### Ecological information on ingredients.

##### (2-METHOXYMETHYLETHOXY)PROPANOL

###### Acute toxicity - fish

LC<sub>50</sub>, 96 hours: >10000 mg/l, Fish

###### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, 48 hours: 1919 mg/l, Daphnia magna

###### Acute toxicity - aquatic plants

IC<sub>50</sub>, 72 hours: >969 mg/l, Algae

##### ALCOHOLS, C9-11, ETHOXYLATED

###### Acute toxicity - fish

LC<sub>50</sub>, >: > 10 mg/l,

###### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, >: > 1 mg/l,

###### Acute toxicity - aquatic plants

IC<sub>50</sub>, >: > 10 mg/l,

##### HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

###### Acute toxicity - fish

LC<sub>50</sub>, >: > 100 mg/l,

###### Acute toxicity - aquatic invertebrates

EC<sub>50</sub>, >: > 100 mg/l,

###### Acute toxicity - aquatic plants

IC<sub>50</sub>, >: > 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

##### **Persistence and degradability**

Inherently biodegradable. The surfactant(s) contained in this product complies(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.

##### Ecological information on ingredients.

##### (2-METHOXYMETHYLETHOXY)PROPANOL

###### Chemical oxygen demand

2.02

#### 12.3. Bioaccumulative potential

The product contains potentially bioaccumulating substances.

##### **Partition coefficient**

Not determined.

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## Ecological information on ingredients.

### (2-METHOXYMETHYLETHOXY)PROPANOL

#### **Partition coefficient**

: -0.35

### 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.

#### **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.

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### **SECTION 13: Disposal considerations**

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#### **13.1. Waste treatment methods**

##### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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### **SECTION 14: Transport information**

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#### **14.1. UN number**

Not classified for transportation.

#### **14.2. UN proper shipping name**

None.

#### **14.3. Transport hazard class(es)**

None.

ADR/RID class -

IMDG class -

#### **14.4. Packing group**

None.

#### **14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

#### **14.6. Special precautions for user**

None.

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

Not applicable.

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### SECTION 15: Regulatory information

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

##### National regulations

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

##### 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). The surfactant(s) contained in this product complies(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.

#### 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** 30/06/2014

**Revision** 4

**Supersedes date** 11/06/2014

**Signature** Aaron Saunders

#### Risk phrases in full

R22 Harmful if swallowed.

Irritating to eyes.

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.

#### Hazard statements in full

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

H413 May cause long lasting harmful effects 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.