



SAFETY DATA SHEET SOLVEX

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

1.1. Product identifier

Product name SOLVEX
Product No. A277

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

Identified uses 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 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 (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	EUH066; Eye Dam. 1 - H318; Asp. Tox. 1 - H304
Environment	Not classified.

Classification (1999/45/EEC) Xn; R65. Xi; R36. R66.

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

Human health

Irritating to eyes. Splashes 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 irritation to the respiratory system. Harmful: may cause lung damage if swallowed. 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.

Environment

Inherently biodegradable The product contains potentially bioaccumulating substances.

Physical and Chemical Hazards

None.

2.2. Label elements

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

Label In Accordance With (EC) No. 1272/2008

SOLVEX



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.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 P305+351+338 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 or doctor/physician.
 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.

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

(2-METHOXYMETHYLETHOXY)PROPANOL		30-100%
CAS-No.: 34590-94-8	EC No.: 252-104-2	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS		10-24%
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.	
ALCOHOLS, C9-11, ETHOXYLATED		1-9%
CAS-No.: 68439-45-2	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) 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 victim immediately from source of exposure. Provide rest, warmth and fresh air. 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 stomach vomit doesn't enter the lungs.

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, seek medical advice immediately and show this container or label.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Extinguishing media**

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

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products**

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

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

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. Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided.

6.2. Environmental precautions

Prevent entry into drains. 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. For waste disposal, see section 13.

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**

SOLVEX

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

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)

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
(2-METHOXYMETHYLETHOXY)PROPANOL	WEL	50 ppm	308 mg/m ³			Sk
HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	SUP	150 ppm	1000 mg/m ³			SUP = Supplier's recommendation.

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

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 Solvent.

Solubility Not determined.

Initial boiling point and boiling range (°C)

Not determined.

Relative density 0.88

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.

Odour Threshold, Lower

Not determined.

Odour Threshold, Upper

Not determined.

Flash point (°C) 66°C CC (Closed cup).

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

**Partition Coefficient
(N-Octanol/Water)**

Not determined.

Explosive properties

Not determined.

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. Acids. Alkalis.

10.6. Hazardous decomposition products

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

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Serious eye damage/irritation:

May cause severe irritation to eyes.

SOLVEX

Respiratory or skin sensitisation:

None known.

Germ cell mutagenicity:

No effects expected based upon current data.

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

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

5135 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 20 mg/kg Rabbit

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-45-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 300 mg/kg

Acute Toxicity (Dermal LD50)

> 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

SOLVEX

Ecological information on ingredients.

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

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

LC 50, 96 Hrs, Fish mg/l

>10000

EC 50, 48 Hrs, Daphnia, mg/l

1919

IC 50, 72 Hrs, Algae, mg/l

>969

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-45-2)

Acute Toxicity - Fish

LC50 > 10 mg/l

Acute Toxicity - Aquatic Invertebrates

EC50 > 1 mg/l

Acute Toxicity - Aquatic Plants

IC50 > 10 mg/l

12.2. Persistence and degradability

Degradability

Inherently biodegradable The surfactant(s) contained in this preparation 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 (CAS: 34590-94-8)

Chemical Oxygen Demand

2.02

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

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

Partition coefficient

-0.35

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 PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

Not classified for transportation.

14.2. UN proper shipping name

None.

14.3. Transport hazard class(es)

None.

ADR/RID/ADN 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.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Uk Regulatory References**

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

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. The surfactant(s) contained in this preparation 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

SOLVEX

General information

Telephone 020 8974 1515

Revision Comments

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

Revision Date	11/06/2014
Revision	3
Supersedes date	13/05/2014
Signature	Aaron Saunders

Risk Phrases In Full

R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36	Irritating to eyes.
R53	May cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.

Hazard Statements In Full

H318	Causes serious eye damage.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.