



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

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 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) 24 hr emergency number +44 1235 239670
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 hazards Not Classified

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

Environmental hazards Not Classified

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.

Physicochemical None.

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2.2. Label elements

Hazard pictograms



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-iso, C10-rich, ethoxylated, Alcohols, C9-11, ethoxylated, Nopol ethoxylated propoxylated

Detergent labelling

15 - < 30% 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

(2-Methoxymethylethoxy)propanol CAS number: 34590-94-8 EC number: 252-104-2 REACH registration number: 01-2119450011-60-XXXX Substance with a Community workplace exposure limit.	30-60%
Classification Not Classified	
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS number: 64741-65-7 EC number: 918-167-1 REACH registration number: 01-2119472146-39-0001	10-24%
Classification Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	

SOLVEX

Alcohols, C9-11-iso, C10-rich, ethoxylated	5-10%
CAS number: 78330-20-8	
Classification	
Eye Dam. 1 - H318	
Alcohols, C9-11, ethoxylated	1-5%
CAS number: 68439-46-3 EC number: 614-482-0	
Classification	
Eye Dam. 1 - H318	
Nopol ethoxylated propoxylated	1-5%
CAS number: 174955-61-4	
Classification	
Acute Tox. 4 - H302 Eye Dam. 1 - H318	

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!
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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

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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.
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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.
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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.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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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.
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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.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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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/m³
Sk

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

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

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WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the 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.

SECTION 9: Physical and chemical properties

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 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
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
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.

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

Acute toxicity - oral

ATE oral (mg/kg) 27,777.78

Skin corrosion/irritation

Skin corrosion/irritation Product has a defatting effect on skin. May cause allergic contact eczema.

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

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**Acute toxicity oral (LD₅₀
mg/kg)** 5,135.0

Species Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 20.0

Species Rabbit

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)** 5,000.0

Species Rabbit

ATE dermal (mg/kg) 5,000.0

Alcohols, C9-11, ethoxylated

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 2,000.0

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SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

(2-Methoxymethylethoxy)propanol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >10000 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1919 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: >969 mg/l, Algae

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

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , : >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,
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	Not available.
Chronic toxicity - aquatic invertebrates	NOEC, : >1.0 - <10 mg/l, Freshwater invertebrates

Alcohols, C9-11, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , : 1-10 mg/l,
Acute toxicity - aquatic invertebrates	EC ₅₀ , : 1-10 mg/l,
Acute toxicity - aquatic plants	IC ₅₀ , : 1-10 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. (Detergents (Amendment) (EU Exit) Regulations UK SI 2020/1617). 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

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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.

(2-Methoxymethylethoxy)propanol

Partition coefficient : 1.01

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.

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

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

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.

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 class -

IMDG class -

14.4. Packing group

None.

14.5. Environmental hazards

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Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

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). REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577. GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567. Detergents (Amendment) (EU Exit) Regulations UK SI 2020/1617.
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	16/12/2020
Revision	5
Supersedes date	30/06/2014
Please note:	Where abbreviations have been used elsewhere the full text has been written below, for the classification of the product please refer to section 2.
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.
Signature	Aaron Saunders

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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.