

**SAFETY DATA SHEET****Powersolv Bulk****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** Powersolv Bulk**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Solvent cleaner**1.3. Details of the supplier of the safety data sheet****Supplier** Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com**1.4. Emergency telephone number****Emergency telephone** +44 (0)7831 300868**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Flam. Liq. 2 - H225

**Health hazards**

Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304

**Environmental hazards**

Aquatic Chronic 2 - H411

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

Xn;R65. Xi;R38. F;R11. N;R50/53. R67.

**Environmental**

This product contains substances which are very toxic or toxic to aquatic organisms and may cause long term effects to the aquatic environment (see sections 2 and 12)

**Physicochemical**

The product is highly flammable. Vapours may form explosive mixtures with air.

**2.2. Label elements****Pictogram****Signal word**

Danger

**Hazard statements**

**Powersolv Bulk**

H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P271 Use only outdoors or in a well-ventilated area.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P102 Keep out of reach of children.  
 P501 Dispose of contents/container in accordance with local regulations.  
 P260 Do not breathe vapour/spray.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P280 Wear protective gloves.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. 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.  
 P314 Get medical advice/attention if you feel unwell.

**Supplemental label information**

RCH002b For professional users only.

**Contains**

Hydrocarbons, C7-C9, isoalkanes, PROPAN-2-OL

**Detergent labelling**

≥ 30% aliphatic hydrocarbons

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>Hydrocarbons, C7-C9, isoalkanes</b>	<b>60-100%</b>
CAS number: — EC number: 921-728-3 REACH registration number: 01-2119471305-42-XXXX	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
<b>PROPAN-2-OL</b>	<b>5-10%</b>
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

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****General information**

Keep the affected person warm and at rest. Get prompt medical attention.

## Powersolv Bulk

### Inhalation

Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately. If breathing stops, provide artificial respiration.

### Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Get medical attention immediately.

### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water.

### Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam. Dry chemicals. Water spray.

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

#### Specific hazards

The product is highly flammable. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

### 5.3. Advice for firefighters

#### Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Use water spray to reduce vapours.

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## SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.2. Environmental precautions

#### Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. 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

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Use good earthing procedures when decanting from container.

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

#### Storage precautions

### Powersolv Bulk

Keep away from oxidising materials, heat and flames. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame.

#### 7.3. Specific end use(s)

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### Hydrocarbons, C7-C9, isoalkanes

Long-term exposure limit (8-hour TWA): 300 ppm 1400 mg/m3

##### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m3

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m3

WEL = Workplace Exposure Limit

##### Ingredient comments

WEL = Workplace Exposure Limits SUP = Supplier's recommendation.

##### Hydrocarbons, C7-C9, isoalkanes

DNEL Industry - Dermal; Long term : 773 mg/kg/day  
Industry - Inhalation; Long term : mg/m<sup>3</sup>

##### PROPAN-2-OL (CAS: 67-63-0)

DNEL Industry - Dermal; Long term systemic effects: 888 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 500 mg/m3  
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 26 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 89 mg/m3

PNEC - Fresh water; 140.9 mg/l  
- Marine water; 140.9 mg/l  
- Intermittent release; 140.9 mg/l  
- Sediment (Freshwater); 552 mg/kg  
- Sediment (Marinewater); 552 mg/kg  
- STP; 2251 mg/l  
- Soil; 28 mg/kg

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

##### Personal protection

When using do not smoke

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

##### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

##### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

##### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended

## Powersolv Bulk

occupational exposure limit.

### SECTION 9: Physical and Chemical Properties

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

**Appearance**

Colourless liquid.

**Odour**

Characteristic.

**Melting point**

< -20°C

**Initial boiling point and range**

113-143°C @

**Flash point**

7°C CC (Closed cup).

**Relative density**

0.724 @ °C

**Auto-ignition temperature**

> 200°C

**Viscosity**

NA @ 25°C

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability**

Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidising agents. Reducing agents.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

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

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Ingestion**

Harmful: may cause lung damage if swallowed.

**Skin contact**

Irritating to skin. Prolonged contact may cause redness, irritation and dry skin.

**Eye contact**

May cause temporary eye irritation.

**Acute and chronic health hazards**

## Powersolv Bulk

Contents may cause lung damage if swallowed. Aspiration into the lungs may cause chemical pneumonitis. Irritating to skin.

### Route of entry

Inhalation Ingestion.

### Target organs

Respiratory system, lungs

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## SECTION 12: Ecological Information

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### Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

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

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## SECTION 14: Transport information

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**General** Packs of 1L or less are not regulated under the limited quantities provisions .

### 14.1. UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	FLAMMABLE LIQUID, N.O.S.
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S.
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S.
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels

**Powersolv Bulk****14.4. Packing group**

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant



Yes.

**14.6. Special precautions for user**

EmS	F-E, S-E
ADR transport category	2
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 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 Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation**

Commission Regulation (EU) No 453/2010 of 20 May 2010.

**Guidance**

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

**15.2. Chemical safety assessment****SECTION 16: Other information**

Revision date	19/11/2014
Revision	1
SDS number	10042
SDS status	Approved.
Risk phrases in full	

### **Powersolv Bulk**

R11 Highly flammable.

R36 Irritating to eyes.

R38 Irritating to skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

#### **Hazard statements in full**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

#### **Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.