

SAFETY DATA SHEET**Resolv Bulk****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name Resolv 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**

Not Classified

Health hazards

Asp. Tox. 1 - H304

Environmental hazards

Not Classified

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

Xn;R65. R53,R66.

Human health

Gas or vapour in high concentrations may irritate the respiratory system.

Environmental

The product contains a substance which may cause long-term adverse effects in the aquatic environment.

Physicochemical

Vapours may form explosive mixtures with air.

2.2. Label elements**Pictogram**

Signal word Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

Resolv Bulk

P102 Keep out of reach of children.

P501 Dispose of contents/container in accordance with local regulations.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P314 Get medical advice/attention if you feel unwell.

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves.

Supplemental label information

RCH002b For professional users only.

Contains

Hydrocarbons, C11-C12, <2% aromatics, Hydrocarbons C11-C13 Isoalkanes <2% aromatics

Detergent labelling

≥ 30% aliphatic hydrocarbons

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

Hydrocarbons, C11-C12, <2% aromatics	60-100%
CAS number: — EC number: 918-167-1 REACH registration number: 01-2119472146-39	
Classification	Classification (67/548/EEC or 1999/45/EC)
Asp. Tox. 1 - H304	Xn;R65. R66.
Hydrocarbons C11-C13 Isoalkanes <2% aromatics	30-60%
CAS number: 90622-58-5 EC number: 920-901-0 REACH registration number: 01-2119456810-40	
Classification	Classification (67/548/EEC or 1999/45/EC)
Asp. Tox. 1 - H304	Xn;R65. R66.
PROPAN-2-OL	1-5%
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25	
Classification	Classification (67/548/EEC or 1999/45/EC)
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**

Move affected person to fresh air at once.

Inhalation

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

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.

Skin contact

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

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least

Resolv Bulk

15 minutes. Get medical attention if any discomfort continues.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry chemicals. Foam. Water spray.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

Environmental precautions

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. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

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

Store in a cool and well-ventilated place. 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

Resolv Bulk

Hydrocarbons, C11-C12, <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 177 ppm 1200 mg/m³

Hydrocarbons C11-C13 Isoalkanes <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 177 ppm 1200 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.

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/m ³ 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/m ³
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 general and local exhaust ventilation. 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. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Colourless liquid.

Odour

Hydrocarbons.

Melting point

< -50°C

Initial boiling point and range

175 -210°C @

Resolv Bulk

Flash point

56°C CC (Closed cup).

Evaporation rate

0.05 (BuAc = 1)

Relative density

0.766 @ °C

Auto-ignition temperature

>200°C

Viscosity

1.2 mPa s @ 20°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 contact with the following materials: Oxidising agents. Reducing agents.

10.5. Incompatible materials**10.6. Hazardous decomposition products****SECTION 11: Toxicological information****11.1. Information on toxicological effects****Inhalation**

Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion

May cause nausea, headache, dizziness and intoxication.

Skin contact

Repeated exposure may cause skin dryness or cracking. Product has a defatting effect on skin. May cause allergic contact eczema.

Eye contact

May cause temporary eye irritation.

Acute and chronic health hazards

Gas or vapour is harmful on prolonged exposure or in high concentrations. Product has a defatting effect on skin. May cause allergic contact eczema.

Route of entry

Inhalation Skin and/or eye contact

Target organs

Respiratory system, lungs Skin

Medical symptoms

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Skin irritation.

SECTION 12: Ecological Information**Ecotoxicity**

Resolv Bulk

The product contains a substance 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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

General Packs of 5L and under are not regulated under the Limited Quantities Provisions.

14.1. UN number

UN No. (ADR/RID)	3295
UN No. (IMDG)	3295
UN No. (ICAO)	3295

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	Hydrocarbons, liquid NOS (Isoundecanes and Isodecanes)
Proper shipping name (IMDG)	Hydrocarbons, liquid NOS (Isoundecanes and Isodecanes)
Proper shipping name (ICAO)	Hydrocarbons, liquid NOS (Isoundecanes and Isodecanes)
Proper shipping name (ADN)	Hydrocarbons, liquid NOS (Isoundecanes and Isodecanes)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID subsidiary risk	
ADR/RID label	3
IMDG class	3
IMDG subsidiary risk	
ICAO class/division	3
ICAO subsidiary risk	
Transport labels	

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III

Resolv Bulk

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS

Emergency Action Code

Hazard Identification Number
(ADR/RID)

Tunnel restriction code (D)

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**

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

EU legislation

Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. 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).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

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

Revision date 14/04/2015

Revision 1

SDS number 10420

SDS status Approved.

Risk phrases in full

R11 Highly flammable.
 R36 Irritating 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.
 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.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

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.