

**Productname :** IPA SOLVENT  
**Ref.Nr.:** UDS000002\_3\_20161110 (EN)

**Creationdate :** 10.11.16 Version : 1.0  
**Replaces:** UDS000002\_20110224

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

### 1.1. Product identifier

**IPA SOLVENT**  
Bulk

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

Cleaners - Precision

### 1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.  
Ambersil House - Wylds Road  
Castlefield Industrial Estate  
TA6 4DD Bridgwater Somerset  
United Kingdom  
Tel.: +44 1278 727200  
Fax.: +44 1278 425644  
E-mail : hse.uk@crcind.com

### 1.4. Emergency telephone number

(+44)(0)1278 72 7200 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

<b>Physical:</b>	Flammable liquid, category 2 Highly flammable liquid and vapour.
<b>Health:</b>	Eye irritation, category 2 Causes serious eye irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness.
<b>Environment:</b>	Not classified
<b>Other hazards :</b>	None
<b>Other hazards :</b>	Not classified

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008



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**Product identifier:** propan-2-ol  
 Index-Nº: 603-117-00-0

**Hazard pictogram(s):**



**Signal word:** Danger

**Hazard statement(s):** H225 : Highly flammable liquid and vapour.  
 H319 : Causes serious eye irritation.  
 H336 : May cause drowsiness or dizziness.

**Precautionary statement(s):** P101 : If medical advice is needed, have product container or label at hand.  
 P102 : Keep out of reach of children.  
 P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
 P271 : Use only outdoors or in a well-ventilated area.  
 P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337/313 : If eye irritation persists: Get medical advice/attention.  
 P403/233 : Store in a well-ventilated place. Keep container tightly closed.  
 P501-1 : Dipose of contents/container as hazardous waste.

**Supplemental Hazard information:** None

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

propan-2-ol; isopropyl alcohol ;isopropanol

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
propan-2-ol; isopropyl alcohol ;isopropanol	01-2119457558-25	67-63-0	200-661-7	60-100	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B

#### Explanation notes

B : substance with national established workplace exposure limit

(\* Explanation phrases : see chapter 16)

### 3.2. Mixtures

Not applicable.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with water for at least 15 minutes Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists
<b>Contact with skin :</b>	Wash with water and soap. Seek medical attention if irritation persists
<b>Inhalation :</b>	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
<b>Ingestion :</b>	If swallowed do not induce vomiting Seek medical advice

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

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Mildly irritating to skin Symptoms : redness and pain
<b>Eye contact :</b>	Irritating to eyes Symptoms : redness and pain, impaired vision

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

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

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

May form explosive vapour/air mixtures  
Forms hazardous decomposition products  
CO,CO2

#### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

### SECTION 6: Accidental release measures

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

Shut off all ignition sources



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Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection.

## 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

## 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

## 6.4. Reference to other sections

For further information see section 8

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.  
Wash thoroughly after use  
Wear protective gloves/protective clothing/eye protection/face protection.  
Eyewash bottles should be available

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

Keep container tightly closed, in a cool, well ventilated place.  
Keep out of reach of children.

## 7.3. Specific end use(s)

Cleaners - Precision

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method
EU established exposure limits:		



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propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
<b>National established exposure limits, United Kingdom</b>			
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm

## 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
 Keep away from heat and sources of ignition  
 Take precautionary measures against static discharges

**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
 Ensure adequate ventilation

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.

**hands and skin :** Wear suitable protective gloves

Recommended gloves: Nitrile

**eyes :** Wear safety goggles according to EN 166.

## SECTION 9: Physical and chemical properties

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

**Apperance : physical state :** Liquid.

**colour :** Colorless.

**odour :** Alcohol.

**pH :** Not applicable.

**Boiling point/range :** 82 °C

**Flash point :** 12 °C (Closed Cup)

**Evaporation rate :** Not available.

**Explosion limits : upper limit :** 12 %

**lower limit :** 2 %

**Vapour pressure :** 4.16 kPa (@ 20°C).

**Relative density :** 0.785 g/cm<sup>3</sup> (@ 20°C).

**Solubility in water :** Soluble in water

**Auto-ignition :** 460 °C

**Viscosity :** 3.057 cst<sub>20</sub>

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

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Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure:

<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Skin contact :</b>	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
<b>Eye contact :</b>	Irritating to eyes

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	LD50 oral rat	5840 mg/kg
		LC50 inhal.rat	> 25000 mg/l
		LD50 derm.rabit	13900 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	IC50 algae	1000 mg/l
		LC50 fish	9640 mg/l

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		EC50 daphnia	9714 mg/l
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## 12.2. Persistence and degradability

Biodegradable

## 12.3. Bioaccumulative potential

Not applicable.

## 12.4. Mobility in soil

Soluble in water

## 12.5. Results of PBT and vPvB assessment

No information available

## 12.6. Other adverse effects

No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way.  
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 1219

### 14.2. UN proper shipping name

Proper shipping name: ISOPROPANOL

### 14.3. Transport hazard class(es)

Class: 3  
ADR/RID - Classification code: F1

### 14.4. Packing group



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Packing group: II

#### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally hazardous: No

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D/E)  
IMDG - Ems: F-E, S-D  
IATA/ICAO - PAX: 353  
IATA/ICAO - CAO: 364

#### 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

The Safety Data Sheet is compiled according to the current European requirements.  
EU-directive 67/548/EEC  
Regulation (EC) No 1272/2008 (CLP)  
Regulation (EC) No 1907/2006 (REACH)

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: H225 : Highly flammable liquid and vapour.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.