



## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

#### 1.1 Product identifier

|                        |                     |
|------------------------|---------------------|
| Product Name           | Rubbing Alcohol 90% |
| CAS No.                | Not applicable.     |
| EC No.                 | Not applicable.     |
| REACH Registration No. | Not known.          |

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

|                      |            |
|----------------------|------------|
| Identified Use(s)    | Not known. |
| Uses Advised Against | Not known. |

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

##### Manufacturer

|                         |   |
|-------------------------|---|
| Company Identification  | R&D Laboratories Ltd                        |
| Address of Manufacturer | Unit U, Enkalon Industrial Estate<br>Antrim |
| Postal code             | BT41 4LJ                                    |
| Telephone:              | +44(0) 2894 465753                          |
| Fax                     | Not known.                                  |
| E-mail                  | support@mistral-chemicals.zendesk.com       |
| Office hours            |   |

##### Supplier

|                        |   |
|------------------------|---|
| Company Identification | R&D Laboratories Ltd                        |
| Address of Supplier    | Unit U, Enkalon Industrial Estate<br>Antrim |
| Postal code            | BT41 4LJ                                    |
| Telephone:             | +44(0) 2894 465753                          |
| Fax                    | Not known.                                  |
| E-mail                 | support@mistral-chemicals.zendesk.com       |
| Office hours           |   |

#### 1.4 Emergency telephone number

|                     |                    |
|---------------------|--------------------|
| Emergency Phone No. | +44(0) 2894 465753 |
| Contact             | Barry Kelly        |

#### National response center

|                     |  |
|---------------------|--|
| Address             | National Poisons Information Service (Birmingham Centre)<br>City Hospital<br>Dudley Road,<br>Birmingham,<br>United Kingdom |
| Emergency Phone No. | +00 448 706 006 266 NHS Direct - 0845 4647 or 111  |

### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

|                                     |   |
|-------------------------------------|---|
| Regulation (EC) No. 1272/2008 (CLP) | Eye Irrit. 2 : Causes serious eye irritation.<br>Flam. Liq. 2 : Highly flammable liquid and vapour.<br>STOT SE 3 : May cause drowsiness or dizziness. |
|-------------------------------------|---|

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name Rubbing Alcohol 90%

Hazard Pictogram(s)



GHS02

GHS07

Signal Word(s)

Danger

Hazard Statement(s)

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Precautionary Statement(s)

None.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

For full text of H/P Statements see section 16.

**3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

| HAZARDOUS INGREDIENT(S)                   | CAS No. | EC No. / REACH Registration No. | %W/W | Hazard Statement(s)                                      | Hazard Pictogram(s) |
|---|---------|---------------------------------|------|--|---------------------|
| propan-2-ol isopropyl alcohol isopropanol | 67-63-0 | 200-661-7                       | 90   | Flam. Liq. 2 H225<br>Eye Irrit. 2 H319<br>STOT SE 3 H336 | GHS02<br>GHS07      |

**4. SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

Inhalation Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact Take off immediately all contaminated clothing. Rinse skin with water.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion Treat symptomatically.

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

May cause irritation.

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

Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

**5. SECTION 5: FIREFIGHTING MEASURES**



## SAFETY DATA SHEET

### 5.1 Extinguishing media

Suitable Extinguishing media Use water spray, foam, dry powder or CO2 to extinguish.

Unsuitable extinguishing media Water jet spray

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

Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.

### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

### 6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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

Adsorb spillages onto sand, earth or any suitable adsorbent material. Use vacuum equipment for collecting spilt materials, where practicable. Containers must not be punctured or destroyed by burning, even when empty.

### 6.4 Reference to other sections

See Also Section 8, 13.

## 7. SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

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

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials None known.

### 7.3 Specific end use(s)

Not known.

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

| Occupational Exposure Limits |         |                     |                                    |            |                           |      |
|------------------------------|---------|---------------------|------------------------------------|------------|---------------------------|------|
| SUBSTANCE.                   | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m <sup>3</sup> ) | STEL (ppm) | STEL (mg/m <sup>3</sup> ) | Note |
| Propan-2-ol                  | 67-63-0 | 400                 | 999                                | 500        | 1250                      |      |

|                |                                 |
|----------------|---------------------------------|
| Region         | Source                          |
| EU             | EU Occupational Exposure Limits |
| United Kingdom | Workplace Exposure Limits (WEL) |
| Remark         | Notes                           |

### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|   |                                |
|---|--------------------------------|
| Appearance                              | Liquid.<br>Colour : Not known. |
| Odour                                   | Not known.                     |
| Odour threshold                         | Not known.                     |
| pH                                      | Not known.                     |
| Melting point/freezing point            | Not known.                     |
| Initial boiling point and boiling range | 80 °C                          |
| Flash Point                             | 18 °C                          |
| Evaporation rate                        | Not known.                     |
| Flammability (solid, gas)               | Not known.                     |



## SAFETY DATA SHEET

|  |  |
|--|--|
| Upper/lower flammability or explosive limits | Not known.   |
| Vapour pressure                              | Not known.   |
| Vapour density                               | Not known.   |
| Density (g/ml)                               | Not known.   |
| Relative density                             | Not known.   |
| Solubility(ies)                              | Solubility (Water) : Not known.<br>Solubility (Other) : Not known. |
| Partition coefficient: n-octanol/water       | Not known.   |
| Auto-ignition temperature                    | Not known.   |
| Decomposition Temperature (°C)               | Not known.   |
| Viscosity                                    | Not known.   |
| Explosive properties                         | Not known.   |
| Oxidising properties                         | Not known.   |

### 9.2 Other information

None.

## 10. SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                                |   |
|--------------------------------|---|
| Acute toxicity - Ingestion     | Not classified.                                     |
| Acute toxicity - Skin Contact  | Not classified.                                     |
| Acute toxicity - Inhalation    | Not classified.                                     |
| Skin corrosion/irritation      | Not classified.                                     |
| Serious eye damage/irritation  | Calculation method : Causes serious eye irritation. |
| Skin sensitization data        | Not classified.                                     |
| Respiratory sensitization data | Not classified.                                     |
| Germ cell mutagenicity         | Not classified.                                     |



## SAFETY DATA SHEET

|                          |   |
|--------------------------|---|
| Carcinogenicity          | Not classified.   |
| Reproductive toxicity    | Not classified.   |
| Lactation                | Not classified.   |
| STOT - single exposure   | Calculation method : May cause drowsiness or dizziness. |
| STOT - repeated exposure | Not classified.   |
| Aspiration hazard        | Not classified.   |

### 11.2 Other information

Not known.

## 12. SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

|                                       |                                |
|---------------------------------------|--------------------------------|
| Toxicity - Aquatic invertebrates      | Low toxicity to invertebrates. |
| Toxicity - Fish                       | Low toxicity to fish.          |
| Toxicity - Algae                      | Low toxicity to algae.         |
| Toxicity - Sediment<br>Compartment    | Not classified.                |
| Toxicity - Terrestrial<br>Compartment | Not classified.                |

### 12.2 Persistence and Degradation

Not known.

### 12.3 Bioaccumulative potential

Not known.

### 12.4 Mobility in soil

Not known.

### 12.5 Results of PBT and vPvB assessment

Not known.

### 12.6 Other adverse effects

Not known.

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator.

### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number



UN No. 1219

**14.2 UN proper shipping name**

UN proper shipping name ISOPROPANOL (ISOPROPYL ALCOHOL)

**14.3 Transport hazard class(es)**

**ADR/RID**

ADR/RID Class 3  
ADR Classification Code F1  
Special Provisions 601  
Limited Quantities 1 L  
Excepted Quantities E2  
Emergency Action Code •2YE  
Mixed Packing Instructions for Packages P001 IBC02 R001  
Special Packing Provisions for Packages  
Mixed Packing Instructions for Packages MP19  
Packing Instructions for Portable Tanks T4  
Special Provisions for Portable Tanks TP1  
Tank Code for Tanks LGBF  
Special Provisions for Tanks  
Vehicle for Tank Carriage FL  
ADR Transport Category 2  
Tunnel Restriction Code D/E  
Special Provisions for Carriage - Packages  
Special Provisions for Carriage - Bulk  
Special Provisions for Carriage - Loading, Unloading and Handling  
Special Provisions for Carriage - Operation S2 S20  
ADR HIN 33

**IMDG**

IMDG Class 3  
Special Provisions 601  
Limited Quantities 1 L  
Excepted Quantities E2  
Mixed Packing Instructions for Packages P001 IBC02 R001  
Special Packing Provisions for Packages  
Packing Instructions for Portable Tanks T4

Special Provisions for Portable Tanks TP1  
 IMDG EMS F-E, S-D  
 Stowage and Handling Category B  
 Segregation  
 Marine Pollutant

**ICAO/IATA**

IATA Proper Shipping Name ISOPROPANOL (ISOPROPYL ALCOHOL)  
 Excepted Quantities E2  
 Passenger and Cargo Aircraft Y341  
 Limited Quantities Packing Instructions  
 Passenger and Cargo Aircraft Limited Quantities Max net Qty 1L  
 Passenger and Cargo Aircraft Packing Instructions 353  
 Passenger and Cargo Aircraft Max net Qty 5L  
 Cargo Aircraft Packing Instructions 364  
 Cargo Aircraft Max net Qty 60L  
 Special Provisions A180  
 Emergency Response Guidebook (ERG) Code 3L

**Labels**

Labels 3



**14.4 Packing group**

Packing group II

**14.5 Environmental hazards**

Environmental hazards Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Special precautions for user Not known.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available

**15. SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**European Regulations - Authorisations and/or Restrictions On Use**

Candidate List of Substances of Very High Concern for Authorisation Not listed



|   |   |
|---|---|
| REACH: ANNEX XIV list of substances subject to authorisation  | Not listed  |
| REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | propan-2-ol isopropyl alcohol isopropanol (67-63-0) |
| Community Rolling Action Plan (CoRAP)   | Not listed  |
| Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants                              | Not listed  |
| Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer   | Not listed  |
| Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals       | Not listed  |

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**16. SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

Hazard Pictogram(s)



GHS02

GHS07

|                            |   |
|----------------------------|---|
| Hazard classification      | <p>Eye Irrit. 2 : Serious eye damage/irritation, Category 2</p> <p>Flam. Liq. 2 : Flammable liquid, Category 2</p> <p>STOT SE 3_H336 : Specific target organ toxicity — single exposure, Category 3</p>   |
| Hazard Statement(s)        | <p>H225: Highly flammable liquid and vapour.</p> <p>H319: Causes serious eye irritation.</p> <p>H336: May cause drowsiness or dizziness.</p>  |
| Precautionary Statement(s) | <p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233: Keep container tightly closed.</p> <p>P240: Ground and bond container and receiving equipment.</p> <p>P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.</p> |



## SAFETY DATA SHEET

---

P242: Use non-sparking tools.  
P243: Take action to prevent static discharges.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash hands and exposed skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312: Call a POISON CENTER/doctor if you feel unwell.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P370+P378: In case of fire: Use water spray, foam, dry powder or CO2 to extinguish.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P405: Store locked up.  
P501: Dispose of contents in accordance with local, state or national legislation.

### Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. R&D Laboratories Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. R&D Laboratories Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.