

# Material Safety Data Sheet

Version: 04:00

Date of issue: 17/11/2008

Date of revision: 18/08/2014



## Medipal Alcohol Wipes

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

#### 1.1 Product identifier

|              |   |
|--------------|---|
| Product name | Medipal Alcohol Wipes   |
| Product code | W600110MPCE, Q600110MPCE, W602110MPCE,<br>W605110MPCE, S610110MPCE, SSD600110MPCE |
| Product type | Wet Wipes   |

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

|                     |                        |
|---------------------|------------------------|
| Product use         | Disinfectant.          |
| Area of application | Consumer applications. |

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

|  |   |
|--|---|
|  | Pal International Ltd.<br>Bilton Way,<br>Lutterworth<br>Leicestershire<br>LE17 4JA<br>United Kingdom<br>Tel. no.+44 (0) 1455 555 700<br>Fax no.: +44 (0) 1455 555 755 |
|--|---|

|   |                           |
|---|---------------------------|
| e-mail address of person responsible for this SDS | info@palinternational.com |
|---|---------------------------|

#### 1.4 Emergency telephone number

|                  |  |
|------------------|--|
| Telephone number | +44 (0) 1455 555 742 (09:00 – 17:30)<br>+44 (0) 7725 204 194 (Outside UK Office hours) (Working hours) |
|------------------|--|

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## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition                      Mixture

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

| Hazard class                                     | Hazard category | Target organs | Hazard statement |
|--|-----------------|---------------|------------------|
| Flammable liquids                                | Category 2      | -             | H225             |
| Serious eye damage/eye irritation                | Category 2      | -             | H319             |
| Specific target organ toxicity - single exposure | Category 3      | -             | H336             |

For the full text of the H-Statements mentioned in this Section, see Section 16

Directive 67/548/EEC or 1999/45/EC

Hazard symbol / Category of danger                      Risk phrases

Highly flammable (F)    R11

Irritant (Xi)    R36

R67

For the full text of the R-phrases mentioned in this Section, see Section 16.

Most important adverse effects

Human Health    See section 11 for toxicological information.

Physical and chemical hazards    See section 9 for physicochemical information

Potential environmental effects    See section 12 for environmental information.

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## 2.2 Label elements

### Hazard pictograms



### Signal word

### Hazard statements

Danger

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Precautionary statements

### Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response

P303 + P361 + P353 IF ON SKIN (or hair):  
Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

### Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Hazardous ingredients

Propan-2-ol

### Supplemental label elements

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Repeated exposure may cause skin dryness or cracking.

Not applicable.

### Special packaging

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## requirements

|   |                 |
|---|-----------------|
| Containers to be fitted with child-resistant fastenings | Not applicable. |
| Tactile warning of danger                               | Not applicable. |

## 2.3 Other hazards

|   |  |
|---|--|
| Other hazards which do not result in classification | For Results of PBT and vPvB assessment see section 12.5. |
|---|--|

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## Section 3: Composition/information on ingredients

| Substance/mixture                    | Amount [%]     | Mixture  |                      |                                |
|--------------------------------------|----------------|--|----------------------|--------------------------------|
|                                      |                | Classification<br>(REGULATION (EC) No 1272/2008) |                      |                                |
| Hazardous components                 |                | Hazard class /<br>Hazard<br>category             | Hazard<br>statements | Classification<br>(67/548/EEC) |
| Propan-2-ol                          |                | Flam. Liq.2                                      | H225                 |                                |
| Index-No. : 603-117-00-0<br>F; R11   |                | Eye Irrit.2                                      | H319                 |                                |
| CAS-No. :67-63-0<br>Xi; R36          |                | STOT SE3   | H336                 | R67                            |
| EC-No. : 200-661-7                   | >= 70 - <= 100 |  |                      |                                |
| Registration : 01-2119457558-25-xxxx |                |  |                      |                                |

For the full text of the R-phrases mentioned in this Section, see Section 16.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

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## Section 4: First aid measures

### 4.1 Description of first aid measures

|                |  |
|----------------|--|
| General advice | Take off all contaminated clothing immediately.  |
| Inhalation     | Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position. Call a physician immediately.   |
| Skin contact   | Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.   |
| Ingestion      | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately. If a person vomits when lying on his back, place him in the recovery position. |
| Eye contact    | Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.   |

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

#### Potential acute health effects

|              |   |
|--------------|---|
| Eye contact  | No known significant effects or critical hazards. |
| Inhalation   | No known significant effects or critical hazards. |
| Skin contact | May cause skin dryness and irritation.            |
| Ingestion    | No known significant effects or critical hazards. |

#### Over-exposure signs/symptoms

|              |                   |
|--------------|-------------------|
| Eye contact  | No specific data. |
| Inhalation   | No specific data. |
| Skin contact | No specific data. |
| Ingestion    | No specific data. |

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

|                     |   |
|---------------------|---|
| Notes to physician  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | No specific treatment.  |

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## Section 5: Fire fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** Do not use water jet.

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

**Hazards from the substance or mixture** The vapour may be invisible, heavier than air and spread Fire fighting along ground. Vapours may form explosive mixtures with air. Flash back possible over considerable distance. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

**Hazardous thermal decomposition products** No specific data

### 5.3 Advice for fire fighters

**Special protective actions for fire-fighters** Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## Section 6: Accidental release measures

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

**For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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## For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## 6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

## 6.3 Methods and materials for containment and cleaning up

### Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

## 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## Section 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## 7.1 Precautions for safe handling

### Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and



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can be hazardous. Do not reuse container.

## Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## 7.2 Conditions for safe storage, including any incompatibilities

### Requirements for storage areas and containers

Keep in an area equipped with solvent resistant flooring. Suitable materials for containers: Steel; Stainless steel

### Advice on protection against fire and explosion

Combustible liquid. Keep away from sources of ignition - No smoking. The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge. Use only in an area containing explosion proof equipment.

### Further information on storage conditions

Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from heat.

### Advice on common storage

Keep away from food, drink and animal feeding stuffs. Incompatible with oxidizing agents. Do not store together with oxidizing and self-igniting products.

## 7.3 Specific end use(s)

### Recommendations Industrial sector specific solutions

Not available.  
Not available.

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## Section 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

**Component**                      **Propan-2-ol**                      **CAS-No. 67-63-0**  
**Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**

|   |                       |
|---|-----------------------|
| DNEL<br>Workers, Long-term - systemic effects, Skin contact   | 888 mg/kg bw/day      |
| DNEL<br>Workers, Long-term - systemic effects, Inhalation     | 500 mg/m <sup>3</sup> |
| DNEL<br>Consumers, Long-term - systemic effects, Skin contact | 319 mg/kg bw/day      |
| DNEL<br>Consumers, Long-term - systemic effects, Inhalation   | 89 mg/m <sup>3</sup>  |
| DNEL<br>Consumers, Long-term - systemic effects, Ingestion    | 26 mg/kg bw/day       |

#### Predicted No Effect Concentration (PNEC)

|                                      |            |
|--------------------------------------|------------|
| Fresh water                          | 140.9 mg/l |
| Marine water                         | 140.9 mg/l |
| Intermittent releases                | 140.9 mg/l |
| Sewage treatment plant (STP)         | 2251 mg/l  |
| Sediment Related to, dry weight      | 552 mg/kg  |
| Soil                                 | 28 mg/kg   |
| Secondary poisoning Related to, food | 160 mg/kg  |

#### Other Occupational Exposure Limit Values

|   |                                  |
|---|----------------------------------|
| EH40 WEL, Time Weighted Average (TWA):      | 400 ppm, 999 mg/m <sup>3</sup>   |
| EH40 WEL, Short Term Exposure Limit (STEL): | 500 ppm, 1,250 mg/m <sup>3</sup> |

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ELV (IE), Short Term Exposure Limit (STEL): 400 ppm  
400 ppm

ELV (IE), Time Weighted Average (TWA) 200 ppm

## 8.2 Exposure controls

**Appropriate engineering controls** Refer to protective measures listed in sections 7 and 8.

### Individual protection measures

**Hygiene measures** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** The glove material has to be impermeable and resistant to the product / the substance / the preparation. As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. Protective gloves should be replaced at first signs of wear

|                    |                |
|--------------------|----------------|
| Material           | Nitrile rubber |
| Break through time | >= 8 h         |
| Glove thickness    | 0.35 mm        |

|                    |              |
|--------------------|--------------|
| Material           | butyl-rubber |
| Break through time | >= 8 h       |
| Glove thickness    | 0.5 mm       |

|                    |                    |
|--------------------|--------------------|
| Material           | Fluorinated rubber |
| Break through time | >= 8 h             |
| Glove thickness    | 0.4 mm             |

**Body protection** Personal solvent resistant protective equipment for the body

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should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Other skin protection

Appropriate solvent resistant/protective footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Use respirator with appropriate filter if vapours or aerosol are released. Recommended Filter type:A

## Environmental exposure controls

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|   |   |
|---|---|
| Physical state                          | Liquid saturated on wipe                                      |
| Colour                                  | White nonwoven material                                       |
| Odour                                   | Alcohol-like  |
| Odour threshold                         | Not available   |
| pH                                      | Neutral   |
| Melting point/freezing point            | ca. -89.5 °C  |
| Initial boiling point and boiling range | ca. 82 °C   |
| Flash point                             | ca. 12 °C   |
| Evaporation rate                        | Not available.  |
| Flammability (solid, gas)               | Formation of explosive air/vapour mixtures is possible.       |
| Burning time                            | Not applicable  |
| Burning rate                            | Not applicable  |
| Upper flammability or explosive limits  | ca. 12 %(V)   |
| lower flammability or explosive limits  | ca. 2 %(V)  |
| Vapour pressure                         | ca. 48 hPa (20 °C)  |
| Vapour density                          | Not available   |
| Density                                 | 0.785 - 0.875 g/cm <sup>3</sup> (20 °C)                       |
| Relative vapour density                 | ca. 2   |
| Solubility(ies)                         | Soluble in the following materials: cold water and hot water. |
| Solubility in water                     | completely miscible   |
| Partition coefficient: n-octanol/ water | log Kow 0.05 (OECD Test Guideline 107)                        |
| Auto-ignition temperature               | Literature value<br>ca. 425 °C                                |

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|                           |                               |
|---------------------------|-------------------------------|
| Decomposition temperature | Not available                 |
| Viscosity                 | Not available                 |
| Explosive properties      | EU legislation: Not explosive |
| Oxidising properties      | Not available                 |

**9.2 Other information** No additional information

## Section 10: Stability and reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | Stable under recommended storage conditions                                |
| <b>10.2 Chemical stability</b>                 | No decomposition if stored and applied as directed                         |
| <b>10.3 Possibility of hazardous reactions</b> | Exothermic reaction with strong acids. Incompatible with oxidizing agents. |
| <b>10.4 Conditions to avoid</b>                | no data available heat, flames and sparks.                                 |
| <b>10.5 Incompatible materials</b>             | Strong acids and oxidizing agents  |
| <b>10.6 Hazardous decomposition products</b>   | Hazardous decomposition : Under fire conditions: Carbon oxides products    |

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Oral** Please find this information in the listing of the component/components below in the MSDS.

**Inhalation** Please find this information in the listing of the component/components below in the MSDS.

**Dermal** Please find this information in the listing of the component/components below in the MSDS.

#### Irritation

**Skin** Please find this information in the listing of the component/components below in the MSDS.

**Eyes** Please find this information in the listing of the component/components below in the MSDS.

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## Sensitisation

Please find this information in the listing of the component/components below in the MSDS.

## CMR effect CMR properties

### Mutagenicity Conclusion/Summary

Please find this information in the listing of the component/components below in the MSDS.

### Carcinogenicity Conclusion/Summary

Please find this information in the listing of the component/components below in the MSDS.

### Reproductive toxicity Conclusion/Summary

Please find this information in the listing of the component/components below in the MSDS.

### Teratogenicity Conclusion/Summary

Please find this information in the listing of the component/components below in the MSDS.

## Specific target organ toxicity

### single exposure

#### Inhalation

May cause drowsiness or dizziness

#### repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

## Other toxic properties

### Repeat dose toxicity

No data available

## Aspiration hazard

### Remarks

Not available.

## Further information

### Information on the likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation.

### Other relevant toxicity information

Prolonged skin contact may defat the skin and produce dermatitis. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Risk of product entering the lungs on vomiting after ingestion. Liver injury may occur.

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**Component:**

**Prpan-2-ol**

**Cas No. 67-63-0**

## Acute toxicity

**Oral**

LD50: 5840 mg/kg (rat) (OECD Test Guideline 401)

**Inhalation**

LC50: > 25 mg/l (rat; 6 h; vapour) (OECD Test Guideline 403)

**Dermal**

LD50: 13900 mg/kg (rabbit) (OECD Test Guideline 402)

## Irritation

**Skin**

No skin irritation

**Eyes**

Eye irritation (OECD Test Guideline 405) splashes in eyes may cause strong pain. Vapour acts irritant.

**Sensitisation**

Does not cause skin sensitization. (OECD Test Guideline 406)  
No sensitizing effect known.

## CMR effect CMR properties

**Mutagenicity**

**Conclusion/Summary**

It is not considered mutagenic.

**Carcinogenicity**

**Conclusion/Summary**

It is not considered carcinogenic.

**Reproductive toxicity**

**Conclusion/Summary**

It is not considered toxic for reproduction.

**Teratogenicity**

**Conclusion/Summary**

No effects on or via lactation

## Specific target organ toxicity

**single exposure**

**Inhalation**

May cause drowsiness or dizziness

**repeated exposure**

Oral and inhalation repeated exposure studies demonstrated target organ effects in male rats (kidney) and male and female mice (thyroid) by mechanisms of action that are not relevant to humans

## Other toxic properties

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## Aspiration hazard

### Remarks

Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary oedema and pneumonitis.

## Section 12: Ecological information

### 12.1 Acute toxicity

| Product/ingredient name | Result                            | Species                         | Exposure |
|-------------------------|-----------------------------------|---------------------------------|----------|
| Propan-2-ol             | LC50 9640 mg/l                    | Fish (Pimephales promelas)      | 96 hours |
|                         | LC50 9714 mg/l                    | Daphnia (Daphnia magna)         | 24 hours |
|                         | EC50 > 100 mg/l                   | Algae (Scenedesmus subspicatus) | 72 hours |
|                         | EC50 > 100 mg/l No Harming action | Bacteria                        | -        |

### 12.2 Persistence and degradability

**Conclusion/Summary** Not available.

| Product/ingredient name | Persistence<br>Photolysis | Biodegradability                                 |
|-------------------------|---------------------------|--|
| Propan-2-ol             | -                         | 53 % (Exposure Time: 5 d) readily biodegradable. |

### 12.3 Bioaccumulative potential

| Product/ingredient name | LogPow         | BCF            | Potential      |
|-------------------------|----------------|----------------|----------------|
| Propan-2-ol             | Not applicable | Not applicable | Not applicable |

### 12.4 Mobility in soil

Propan-2-ol The product is mobile in water



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## 12.5 Results of PBT and vPvB assessment

Propan-2-ol

**PBT**

This substance is not considered to be persistent, bioaccumulating nor toxic

**vPvB**

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

## 12.6 Other adverse effects

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

## Section 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste**

The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

**Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions**

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**European waste**

No waste code according to the European Waste Catalogue

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catalogue number

can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

## Section 14: Transport information

**14.1 UN number**  
3175

|  |  | <b>ADR</b>   | <b>RID</b>   | <b>IMDG</b>  |
|--|--|--|--|--|
| <b>14.2 UN proper shipping name</b>    |  | "Solids containing flammable liquid", N.O.S. (Propan-2-ol) | "Solids containing flammable liquid", N.O.S. (Propan-2-ol) | "Solids containing flammable liquid", N.O.S. (Propan-2-ol) |
| <b>14.3 Transport hazard class(es)</b> |  | 4.1  | 4.1  | 4.1  |
| <b>14.4 Packing group</b>              |  | II   | II   | II   |
| <b>14.5 Environmental hazards</b>      |  | II   | II   | II   |

**14.6 Special precautions for user**      **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**      Not available.

## Section 15: Regulatory information

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

Other regulations

Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

Propan-2-ol

EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC)  
Listed Point Nos.: 40

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## Propan-2ol

### Regulatory list

### Notification

### Notification Number

|            |     |              |
|------------|-----|--------------|
| AICS       | YES |              |
| DSL        | YES |              |
| INV (CN)   | YES |              |
| ENCS (JP)  | YES |              |
| JEX (JP)   | YES | (2)-207      |
| ISHL (JP)  | YES | (2)-207      |
| ISHL (JP)  | YES | (2)-207      |
| NZ CLSC    | YES | 2-(8)-319    |
| TSCA       | YES |              |
| EINECS     | YES | 200-661-7    |
| KECI (KR)  | YES | KE-<br>29363 |
| PICCS (PH) | YES |              |

## Water

### Regulatory list

### Notification

### Notification Number

|            |           |           |
|------------|-----------|-----------|
| AICS       | YES       |           |
| DSL        | TSCA      |           |
| INV (CN)   | EINECS    |           |
| ENCS (JP)  | KECI (KR) | JP        |
| PHARM (JP) | TSCA      |           |
| TSCA       | EINECS    |           |
| EINECS     | KECI (KR) | 231-791-2 |
| KECI (KR)  | TSCA      | KE-35400  |
| NZIOC      | EINECS    |           |

## 15.2 Chemical Safety Assessment

No data available

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## Section 16: Other information

### Full text of abbreviated H statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

### Full text of abbreviated R :phrases

R22- Harmful if swallowed.  
R21/22- Harmful in contact with skin and if swallowed.  
R34- Causes burns.  
R41- Risk of serious damage to eyes.  
R37/38- Irritating to respiratory system and skin.  
R43- May cause sensitisation by skin contact.  
R50- Very toxic to aquatic organisms.  
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.