

# Safety Data Sheet

Version: 8.0 | Date Updated: 03.08.2018

According to EC Regulations 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## Medipal Alcohol Disinfectant Wipes

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

#### 1.1 Product Identifier

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| Product name:                 | Medipal Alcohol Disinfectant Wipes                             |
| Product code:                 | W500, W505, W600, W605110MPCE<br>SSD502, SSD505, SSD600110MPCE |
| Use of the substance/mixture: | Disinfectant                                                   |
| Substance type:               | Mixture                                                        |

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

|                       |                                      |
|-----------------------|--------------------------------------|
| Identified uses:      | Disinfecting wipes for hard surfaces |
| Uses advised against: | For professional users only          |

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

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Company:   | Pal International limited<br>Bilton Way, Lutterworth, Leicestershire,<br>LE17 4JA, United Kingdom |
| Telephone: | +441455 555 700                                                                                   |
| Fax:       | +441455 555 777                                                                                   |
| Email:     | info@palinternational.com                                                                         |

#### 1.4 Emergency telephone number

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Emergency telephone number: | +441455 555 700 (GMT, English spoken, Mon-Fri 08.00 to 17.00) |
| Emergency mobile number:    | +447725 204 194                                               |

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

|                                      |                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 2.1.1 Regulation (EC) No. 1272/2008: | Highly flammable liquid and vapour, H225<br>Causes serious eye irritation, H319<br>May cause drowsiness or dizziness, H336 |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------|

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## 2.2.1 Label elements

Product name:

Medipal Alcohol Disinfectant Wipes

Contains:

Propan-2-ol

Hazard pictogram(s):



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):

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

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.

P233: Keep container tightly closed.

P370 + 378: In case of fire: Use carbon dioxide, a dry powder, sprayed water, an alcohol resistant foam for extinction.

Supplemental hazard information (EU):

Contains Propan-2-ol

## 2.3 Other hazards:

Repeated exposure may cause skin dryness or cracking.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Hazardous components

EC Classification No. 1272/2008

| Chemical Name | CAS-No.<br>EC-No.<br>REACH No.                | Classification<br>(Regulation (EC) No<br>1272/2008)     | Concentration<br>[%] |
|---------------|-----------------------------------------------|---------------------------------------------------------|----------------------|
| Propan-2-ol   | 67-63-0<br>200-661-7<br>01-2119457558-25-xxxx | Flam Liq.2, H225<br>Eye Irrit.2, H319<br>STOT SE3, H336 | 70%                  |

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

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation:

IF INHALED: Obtain medical attention for symptoms of difficulty of breathing

Skin contact:

IF ON SKIN: Rinse with plenty of water.

Eye contact:

IF IN EYE: Rinse with plenty of water.

Ingestion:

IF SWALLOWED: Rinse mouth. Get medical attention if symptoms occur.

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

See section 11 for more detailed information on health effects and symptoms.

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

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:

In the event of fire, use specifically suitable extinguishing agents appropriate for the surrounding fire.

Unsuitable extinguishing media:

High volume water jet

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## 5.2 Special hazard arising from the substance or mixture

Specific hazard during firefighting:  
Hazardous combustion products:

Keep away from heat and source of ignition.  
Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides  
Sulphur oxides  
Oxides of phosphorus

## 5.3 Advice for firefighters

Special protective equipment for firefighters

Use personal protective equipment

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Advice for non-emergency personnel:

Remove all sources of ignition. Ensure cleanup is conducted by trained personnel. Refer to protective measures listed in section 7 & 8.

Advice for emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials.

### 6.2 Environmental precautions

Environmental precautions:

Do not allow contact with soil, surface or ground water.

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

Methods for cleaning up:

Eliminate all ignition sources if safe to do so. Stop any leak if safe to do so. Contain spillage and then collect with non-combustible absorbent material and place in container for disposal according to local / national regulation (see section 13).

### 6.4 Reference to other sections

See section 1 for emergency contact information  
For personal protection see section 8  
See section 13 for additional waste treatment information.

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## SECTION 7: HANDLING & STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling:

Use only with adequate ventilation. Wash hands thoroughly after use when product is used frequently.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling if the product is used frequently.

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

Requirements for storage areas and containers:

Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Storage temperature:

-10°C to 40°C

### 7.3 Specific end uses

Specific use(s):

Wet wipe. Manual process for cleaning.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

| CAS-No. | Components  | Value type (form of exposure) | Control parameters                | Update | Basis     |
|---------|-------------|-------------------------------|-----------------------------------|--------|-----------|
| 67-63-0 | Propan-2-ol | STEL                          | 500ppm<br>1,250 mg/m <sup>3</sup> | -      | NIOSH REL |

#### 8.1.2 Biological limit value

| CAS-No. | Substance name | Control parameters | Sampling time | Update |
|---------|----------------|--------------------|---------------|--------|
|         |                |                    |               |        |

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Good ventilation should be sufficient to control worker exposure to airborne contamination.

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## 8.2.2 Personal protection equipment

|                        |                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------|
| Eye/face protection    | No special protective equipment required.                                                   |
| Skin protection        | No special protective equipment required.<br>For prolonged users please use nitrile gloves. |
| Respiratory protection | No special protective equipment required.                                                   |
| Thermal hazard         | No special protective equipment required.                                                   |

## 8.2.3 Environmental Exposure Controls

Consider the provision of contamination around the storage vessels. Do not flush.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical

|                                             |                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------|
| Appearance                                  | Wet Nonwoven wipe material                                               |
| Colour                                      | White                                                                    |
| Odour                                       | Alcoholic odour                                                          |
| Odour Threshold                             | No data available                                                        |
| pH                                          | 6.5 -7.5                                                                 |
| Melting Point/Freezing point                | -20°C                                                                    |
| Initial boiling point and boiling range     | 79.5°C                                                                   |
| Flash point                                 | 20°C (Abel closed cup method)                                            |
| Evaporation rate                            | No data available                                                        |
| Flammability (solid, gas)                   | The mix is considered to be easily flammable under Directive 2001/59/EC. |
| Upper/lower flammability or explosive limit | No data available                                                        |
| Vapour pressure                             | Ca. 48hPa (20°C)                                                         |
| Vapour density                              | No data available                                                        |
| Relative density                            | 0.785-0.875+/- 0.01g/cm <sup>3</sup>                                     |
| Solubility(ies)                             | Soluble in cold water and hot water.                                     |
| Partition coefficient: n-octanol/water      | Log Kow 0.05 (OECD Test guidance 107) Literature value.                  |
| Auto-ignition temperature                   | Ca. 425°C                                                                |
| Decomposition temperature                   | No data available                                                        |
| Viscosity                                   | 2.41 mPa.s (Dynamic viscosity determined at 20°C.)                       |
| Explosive properties                        | No data available                                                        |
| Oxidising properties                        | No data available                                                        |

### 9.2 Other information

No data available

## SECTION 10: STABILITY AND REACTIVITY

|      |                                    |                                                                                                                                           |
|------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1 | Reactivity                         | No dangerous reaction known under conditions of normal use.                                                                               |
| 10.2 | Chemical stability                 | Stable under normal conditions.                                                                                                           |
| 10.3 | Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use.                                                                               |
| 10.4 | Conditions to avoid                | Extreme heat, flames and sparks.                                                                                                          |
| 10.5 | Incompatible materials             | Strong acids and oxidizing agents.                                                                                                        |
| 10.6 | Hazardous decomposition product(s) | Decomposition products may include the following materials:<br>Carbon oxides<br>Nitrogen oxides<br>Sulphur oxides<br>Oxides of phosphorus |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effect

|                                          |                               |
|------------------------------------------|-------------------------------|
| Information on likely routes of exposure | Eye contact and skin contact. |
|------------------------------------------|-------------------------------|

#### Acute Toxicity

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Ingestion                         | There is no data available for this product. |
| Inhalation                        | May cause drowsiness or dizziness.           |
| Skin contact                      | There is no data available for this product. |
| Eye contact                       | There is no data available for this product. |
| Skin corrosion/irritation         | There is no data available for this product. |
| Serious eye damage/irritation     | There is no data available for this product. |
| Respiratory or skin sensitisation | There is no data available for this product. |
| Germ cell mutagenicity            | There is no data available for this product. |
| Carcinogenicity                   | There is no data available for this product. |
| Reproductive toxicity             | There is no data available for this product. |
| STOT – single exposure            | There is no data available for this product. |
| STOT – repeated exposure          | There is no data available for this product. |
| Aspiration hazard                 | There is no data available for this product. |

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## SECTION 12: ECOLOGICAL INFORMATION

|      |                                   |                                                                                                                                                                                          |
|------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.1 | Toxicity                          | No data available                                                                                                                                                                        |
| 12.2 | Persistence and degradability     | 53% (Exposure Time: 5d), readily biodegradable                                                                                                                                           |
| 12.3 | Bioaccumulative potential         | No data available                                                                                                                                                                        |
| 12.4 | Mobility in soil                  | No data available                                                                                                                                                                        |
| 12.5 | Result of PBT and vPvB assessment | This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| 12.6 | Other adverse effects             | Do not flush.                                                                                                                                                                            |

## SECTION 13: DISPOSAL CONSIDERATIONS

|      |                         |                                                                                                                                                     |
|------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.1 | Waste treatment methods | Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulation. |
| 13.2 | Additional Information  | None known.                                                                                                                                         |

## SECTION 14: TRANSPORT INFORMATION

This product is classified as dangerous goods for transport with regards to the transport regulations.

### Land transport (ADR/AND/RID)

|      |                                                                         |                                                           |
|------|-------------------------------------------------------------------------|-----------------------------------------------------------|
| 14.1 | UN number                                                               | UN3175                                                    |
| 14.2 | UN proper shipping name                                                 | "Solids containing flammable liquid", n.o.s (propan-2-ol) |
| 14.3 | Transport hazard class(es)                                              | 4.1                                                       |
| 14.4 | Packaging group                                                         | II                                                        |
| 14.5 | Environmental hazards                                                   | No                                                        |
| 14.6 | Special precautions for user                                            | Not applicable.                                           |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC code | Not applicable.                                           |



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## Sea transport (IMDG/IMO)

|      |                                                                         |                                                           |
|------|-------------------------------------------------------------------------|-----------------------------------------------------------|
| 14.1 | UN number                                                               | UN3175                                                    |
| 14.2 | UN proper shipping name                                                 | "Solids containing flammable liquid", n.o.s (propan-2-ol) |
| 14.3 | Transport hazard class(es)                                              | 4.1                                                       |
| 14.4 | Packaging group                                                         | II                                                        |
| 14.5 | Environmental hazards                                                   | No                                                        |
| 14.6 | Special precautions for user                                            | Not applicable.                                           |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC code | Not applicable.                                           |

## Air Transport (IATA)

|      |                                                                         |                                                           |
|------|-------------------------------------------------------------------------|-----------------------------------------------------------|
| 14.1 | UN number                                                               | UN3175                                                    |
| 14.2 | UN proper shipping name                                                 | "Solids containing flammable liquid", n.o.s (propan-2-ol) |
| 14.3 | Transport hazard class(es)                                              | 4.1                                                       |
| 14.4 | Packaging group                                                         | II                                                        |
| 14.5 | Environmental hazards                                                   | No                                                        |
| 14.6 | Special precautions for user                                            | Not applicable.                                           |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC code | Not applicable.                                           |

## SECTION 15: REGULATORY INFORMATION

|      |                                                                                                       |                                                                                                                                                                                                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.1 | <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | According to detergents regulation EC 648/2004 Contains 70% Isopropanol. According to DSD(67/548/EC), DPD(1999/45/EC) and CLP(1272/2008/EC) The product contains propanol and has the following hazard phrase associated with the product. H225: Highly flammable liquid and vapour. |
| 15.2 | <b>Chemical safety assessment</b>                                                                     | This product contains substances for which chemical safety assessment is still required.                                                                                                                                                                                             |

## SECTION 16: OTHER INFORMATION

### Full text of H-statements

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

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## Full text of other abbreviations

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

## Training advice

Professional use product. Training will be required by the product provider.

## Disclaimers

This data sheet was compiled using external data from our supplier's and independent laboratories. This safety data sheet contains all the necessary information to conduct a COSHH assessment. This document in its own right does NOT constitute the users own assessment of workplace risk as required by Health and safety legislation.

The information given in this safety data sheet is given in good faith and to the best of our knowledge is correct. No liability is accepted for any loss or damage arising directly from the use of the company's products or from the use of the information given in this safety data sheet, In particular, financial or economical loss unless required by law.

## Annex to the extended safety data sheet (eSDS)

This product contains substances for which chemical safety assessment is still required.