



PAL INTERNATIONAL LIMITED

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Name: Pal Surface Disinfectant Wipes

Use: A hard surface disinfectant wipe

Product code: W66 230

Supplied By: Pal International Limited
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2. HAZARD IDENTIFICATION

This product is not classed as hazardous to health or the environment.

3. COMPOSTION/INFORMATION ON INGREDIENTS

<u>Chemical</u>	<u>%Conc.</u>	<u>Classification</u>	<u>CAS</u>	<u>EINECS/ELINCS</u>
*Denatured Ethanol	10-15 %	F; R11	64-17-5	200-578-6
*Alkyl dimethyl benzyl Ammonium chloride	<0.5	C, N; R21/22, 34, 50	68391-01-5	Not assigned
*Alkyl dimethyl ethylbenzyl Ammonium chloride	<0.5	C, N; R21/22, 34, 50	85409-23-0	Not assigned
Polymeric biguanide hydrochloride	<0.2	Xn, N; R22, 38, 41, 43, 50, 53	27083-27-8	Not assigned

4. FIRST AID MEASURES

Eyes If sufficient material has entered the eyes to cause irritation, flush thoroughly with water for at least 10 minutes. If symptoms persist, seek medical advice.

Ingestion If ingested do NOT induce vomiting. Keep at rest and seek immediate medical attention.

Inhalation Remove the affected victim from exposure and seek medical advice.

Skin Wash affected area with soap and water. If irritation persists seek medical advice.

5. FIRE FIGHTING MEASURES

General Hazard: This product is not classified as hazardous

***Flash Point:** Not determined

Suitable Extinguishing Media: Dry Chemical or Foam

Unsuitable Extinguishing Media: Not known

Hazardous Thermal Decomposition Products: Oxides of Carbon, Nitrogen and other toxic decomposition products in the case of incomplete combustion.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: There are no unusual hazards. Product does not constitute any special or particular fire hazards.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No protective equipment is required when using this product, although your own risk assessment should be considered.
Environmental Precautions:	Prevent entry into waterway, sewers or confined areas. Avoid using the product in conjunction with strong oxidising agent (e.g. bleach).
Method for Cleaning Up:	Remove sources of ignition. Pick up and discard towel.

7. HANDLING AND STORAGE

Handling:	Follow handling instruction, which are represented on the product label. Avoid contact with eyes.
Storage:	Store at room temperature. Avoid extreme temperature conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Limits

*Denatured Ethanol:	EH40 (United Kingdom (UK)). WEL: 1000ppm Period: 8 hour(s) WEL: 1900mg/m ³ Period: 8 hour(s)
Engineering Controls:	General ventilation adequate
Personal Protective Equipment:	No protective equipment is required when using this product, although your own risk assessments should be considered.

9. PHYSICAL AND CHEMICAL PROPERTIES (Not a Specification)

Appearance:	Liquid saturated on wipe
Odour:	Mild alcohol
Specific Gravity:	Not determined
Solubility in Water:	All impregnated components 100% soluble. Non-woven is not soluble.
pH@20° C Typical Analysis:	Not determined
*Volatiles:	Denatured Ethanol (10-15%).
Melting/Boiling Point:	Not determined
*Flash Point:	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable if stored at room temperature. Wipes will dry if exposed to the atmosphere.
Materials to Avoid:	Contact with strong oxidising agents. Do not use the wipes with anionic materials and soaps, which reduce the life and antibacterial effectiveness of the wipe.
Hazardous Decomposition Products:	May include but not limited to oxides of carbon, nitrogen.
Hazardous Polymerisation:	Not determined

11. TOXICOLOGICAL INFORMATION

It is not the policy of Pal International to conduct any form of animal testing. The following toxicological data therefore applies to the information we have gathered together from our raw material suppliers.

Acute toxicity:	Not applicable for this type of product, if used as directed.
Corrosivity/irritation:	No evidence, of this if the product is used as directed.
Sensitisation:	No evidence at present.
Repeated-dose toxicity:	Not applicable for this type of product, if used as directed.
Mutagenicity:	Not applicable for this type of product, if used as directed.
Carcinogenicity:	Not applicable for this type of product, if used as directed.
Reproductive toxicity:	Not applicable for this type of product, if used as directed.

12. ECOLOGICAL INFORMATION

Product is generally biodegradable.
Packaging is recyclable.
The product is accepted as non-bioaccumulative.
Ecotoxicity - Low

13. DISPOSAL

Disposal should be in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.

14. TRANSPORT INFORMATION

This product is not classified as a dangerous good for transport in regards to the Transport Regulation.

15. REGULATORY INFORMATION

In accordance with the CHIP 3 regulations, the product is not classified as hazardous.
Contains Polymeric Biguanide Hydrochloride, which may cause an allergic reaction

16. OTHER INFORMATION

Packaging contents:	Recyclable H.D.P.E inner packaging Recyclable cardboard outer packaging *Nature of fibres in non-woven –cellulose, polyester and acrylic binder with colour pigment.
Hazards:	All necessary information can be found in sections 2 & 15 for this product. This product is not classed as flammable as it does not support combustion.
Training advice:	Training is provided on request. Please contact our sales office, which would be able to make all necessary arrangements.
Restrictions:	Method of presentation as a wipe reduces ingestion hazard. Avoid contact of wipe with eyes. Avoid oxidising agents.
Technical Information:	A comprehensive technical data sheet concerning recommended product usage and application is available upon request from our Technical department.
Risk Phrases listed in Section 2	R11: Highly Flammable R21/22: Harmful in contact with skin. Harmful if swallowed R34: Cause burns R38: Irritating to skin R41: Risk of serious damage to eyes R43: May cause sensitisation by skin contact R50: Very toxic to aquatic organisms R53: May cause long-term adverse effect in the aquatic environment

The data sheet has been revised in the following sections marked *.

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.

***Emergency Tel: 07725 204 194**

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