



PAL INTERNATIONAL LIMITED

MATERIAL SAFETY DATA SHEET

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

Name: Pal Hand Sanitising Wipes

Use: A sanitising wipe used to hygienically clean hands in canister and soft pack

Supplied By: Pal International Limited
Bilton Way
Lutterworth
Leicestershire
England, UK
LE17 4JA

Tel: +441455 555700
Fax: +441455 555777
Emergency No: +447725 204 194
E-Mail: info@palinternational.com

2. HAZARD IDENTIFICATION

Flammable

3. COMPOSTION/INFORMATION ON INGREDIENTS

<u>Chemical</u>	<u>%Conc.</u>	<u>Classification</u>	<u>CAS</u>	<u>EINECS/ELINCS</u>
Denatured Ethanol	<65	F; R11	64-17-5	200-578-6
Vitamin E Acetate	<0.03	Not assigned	58-95-7	200-405-4
Aloe Barbadosensis	<0.01	Not assigned	85507-69-3	287-390-8

4. FIRST AID MEASURES

Eyes: Immediately flood the eye with plenty of water, for at least 15 minutes, holding the eye open. Avoid contaminating unaffected eye. If irritation persists obtain medical attention urgently.

Skin: If irritation occurs, discontinue use and seek medical advice.

Ingestion: Not a normal route of exposure. However if this occurs do not induce vomiting and seek medical advice immediately.

Inhalation: Remove from exposure. Keep warm at rest. If necessary, obtain medical attention.

5. FIRE FIGHTING MEASURES

General Hazard: The product is flammable

Flash Point: 42 - 44°C

Suitable Extinguishing Media: Dry Chemical, Water Spray, Alcohol Resistant Foam or Carbon Dioxide.

Unsuitable Extinguishing Media: Water jet

Hazardous Thermal Decomposition Products: Do not use water jet. Vapours can travel a considerable distance to a source of ignition and flashback. Be aware of possibility of re-ignition.

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

Unusual Fire and Explosion Hazards: This product give off flammable vapours, which may form explosive mixtures with air. Containers may explode in heat of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions are required. However, avoid using the product in conjunction with strong oxidising agents. Also ensure not to use this product near any source of ignition or naked flame.

Environmental Precautions: Flammable liquid, prevent entry into waterway, sewers or confined areas.

Method for Cleaning Up: Remove sources of ignition. Pick up and discard towel.

7. HANDLING AND STORAGE

Handling: Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes. Remove ignition sources. Avoid sparks. Do not smoke. Eye wash facilities should be readily available. Keep containers tightly closed when not in use. Store at room temperature. Suitable equipment for dealing with fires, spills, and leaks must be readily available.

Storage: Storage area should be: out of direct sunlight, away from incompatible materials, cool well ventilated. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Limits

Denatured Ethanol: EH40 (United Kingdom (UK)).
WEL: 1000ppm Period: 8 hour(s)
WEL: 1920mg/m³ 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 assessment should be considered.

Additional Information: Do not breathe vapour. Provide adequate ventilation for user (e.g. exhaust ventilation), earthed electrical equipment. The selection of personal protective equipment, if appropriate, should be based on your own risk assessment.

9. PHYSICAL AND CHEMICAL PROPERTIES (Not a Specification)

Appearance: Liquid saturated on wipe

Odour: Alcohol

Specific Gravity: Not determined

Solubility in Water: All impregnated components 100% soluble. Non-woven is not soluble.

pH@20° C Typical Analysis: 7.5

Volatiles: Denatured Ethanol (<65% w/w).

Melting/Boiling Point: Not determined

Flash Point: 42 - 44°C

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.

Hazardous Decomposition Products: Not determined

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 largely recyclable.

The product is accepted as non-bioaccumulative.
Ecotoxicity - Low

13. DISPOSAL

Disposable should be in accordance with national and local authority regulations.

14. TRANSPORT INFORMATION

This product is packed in limited quantities therefore according to the ADR guidelines in section 1.1.3.4 does not require any documentation to accompany a consignment. However you must insure that the outer packaging is labelled and marked in accordance to the ADR guidelines. However a dangerous goods note and Instructions in Writing must accompany the consignment if the product is transported to the customer by sea or air.

ADR / RID

UN No. 3175
Packaging Group: II
Class: 4.1
Proper Shipping Name: "SOLIDS CONTAINING FLAMMABLE LIQUID", N.O.S. (DENATURED ETHANOL)
Tunnel Code: E

IMDG / IMO

UN No. 3175
Packaging Group: II
Class: 4.1
Marine Pollutant: N/A
Proper Shipping Name: "SOLIDS CONTAINING FLAMMABLE LIQUID", N.O.S. (DENATURED ETHANOL)
Tunnel Code: E

IATA / ICAO

Un No. 3175
Packaging Group: II
Class: 4.1
Proper Shipping Name: "SOLIDS CONTAINING FLAMMABLE LIQUID", N.O.S. (DENATURED ETHANOL)
Tunnel Code: E
Packaging Instruction: 417

***15. REGULATORY INFORMATION**

Classification The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations as amended to latest version.

Risk Phrases: R 10: Flammable.

Safety Phrases S 2: Keep out of reach of Children
S 7: Keep container tightly closed
S 16: Keep away from source of ignition – No Smoking.

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.

Hazards: All necessary information can be found in sections 2 & 15 for this product.

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 3 R11: Highly Flammable

All of the ingredient chemicals which come under the REACH Regulations have been pre-registered, and so appear on the ECHA website.

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**

Issue Date: 22nd September 2009

Issue No: 8

Date of previous issue: 11th September 2009