

SAFETY DATA SHEET

According to COMMISSION REGULATION (EU) 2015/830 (as amended)

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

1.1 Product Identifier

Product Name: **70% v/v Alcohol Wipes**
SDS Number (No.): L0100
 EC No. See sections 2 and 3
 CAS No. See sections 2 and 3
 REACH Registration No. See sections 2 and 3

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

Identified uses: Ethanollic cleansing hand wipes.
 Uses advised against: All except those identified above.

1.3 Details of the supplier of the safety data sheet

Supplier Name: Pearmine Health Ltd.
 Supplier Address: Unit 5, The Sidings,
 Top Station Road
 Brackley,
 NN13 7UG,
 The U.K.
 Telephone No. T: +44 (0) 1280 416 070
 E-mail Address: info@pearmine.com
 National Contact: Not applicable.

1.4 Emergency telephone number

Telephone No. T: +44 (0) 1280 416 070
 Availability: 09:00 – 17:00 (UK time)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP): H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.

2.2 Label elements

Hazard Pictogram(s):



Signal Word:

Danger

Hazard Statement(s):

H319: Eye Irrit. 2
 H225: Flam. Liq. 2

Precautionary Statement(s):

P101 - If medical advice is needed, have product container or label at hand.
 P102 - Keep out of reach of children.
 P103 - Read label before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of via domestic waste collection.

Supplementary Precautionary Statement(s) (not on Label):

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P501 Dispose of contents/ container in accordance with national regulations.

Contains:

Ethanol (70% v/v)

Supplemental Information:

None.

2.3 Other hazards

This product does not contain any PBT or vPvB substances. There are no substance of very high concern (SVHCs) present in this product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Component(s) to be declared:

Chemical	% v/v	Classification
Ethanol. (Ethyl Alcohol) CAS No.: 64-17-5 EC No.: 200-578-6 REACH No.: 01-2119457610-43-XXXX	70-100	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319
2-methylpropan-2-ol (alcohol denaturant) CAS No.: 75-65-0 EC No.: 200-889-7 REACH No.01-2119444321-51-XXXX	<1%	Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H335
Denatonium benzoate (alcohol denaturant) CAS No.: 3734-33-6 EC No.: 223-095-2 REACH No. 01-2120102843-65-XXXX	<0.1%	Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318

Exposure Limits: n/a

REACH status: Registered

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

Remove victim immediately from source of exposure. Get medical attention if any discomfort continues. In case of significant airborne contamination, first aiders may need to ventilate the area. Mouth-to-mouth resuscitation may be dangerous.

Inhalation

No measures are noted.

Ingestion

Move patient to fresh air, keep them warm, and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

Skin contact

This product is intended for use on skin. If irritation occurs stop use, and seek medical advice.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If

discomfort persists then continue flushing during transport to hospital. Bring these instructions.

4.2 Most important symptoms and effects, both acute and delayed

General information

May cause discomfort or irritation to eyes.

Inhalation

Concentrated vapours are narcotic. May cause nausea, headache, dizziness and intoxication.

Ingestion

May cause nausea, headache, dizziness and intoxication.

Skin contact

Prolonged contact may cause drying of the skin.

Eye contact

This product causes serious eye irritation. Redness, tearing, blurred vision.

4.3 Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation, or ingestion of this product. If in doubt, GET MEDICAL ATTENTION PROMPTLY! Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media:

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

The liquid formula within this product contains ethanol and is highly flammable. Sufficient vapour levels will form explosive mixtures with air. Users should consider that flammable materials (cleaning cloths, paper), will ignite more readily in the presence of ethanol – see section 13 of this SDS for safe disposal. Significant residues should be stored in designated fireproof containers with tight-fitting, self-closing lids. Containers can burst violently or explode when heated, due to excessive pressure build-up. Fire-water run-off in sewers may create fire or explosion hazard.

Hazardous combustion products:

This product might liberate irritating and harmful gases during combustion. Carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion

Hazards: Not applicable.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing. Collect contaminated fire extinguishing water. DO NOT discharge contaminated water to the drains. Cool ethanol containing products that are exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid handling which leads to eye contact, and the potential for significant vapour build-up. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near product.

6.2 Environmental precautions

Avoid releasing this product into the environment, municipal sewer systems, water ways.

- 6.3 Methods and material for containment and cleaning up
 For significant spills or events:
 Provide adequate ventilation. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Use non-sparking clean-up equipment. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
- 6.4 Reference to other sections
 For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation of vapours and contact with eyes. Keep product away from sources of heat (hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours may form explosive mixtures with air, keep packs well sealed.

Conditions for safe storage, including any incompatibilities.

The product contains flammable liquids. Store the product tightly sealed, in a dry, cool and well-ventilated place. Protect direct sunlight.

7.2 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit(s):

Substance	Work place exposure limit Long-term exposure limit (8-hour TWA):	Work place exposure limit Short-term exposure limit (15-minute):
ETHANOL	1000 ppm 1920 mg/m ³	n/a
2-METHYLPROPAN-2-OL	WEL 100 ppm 308 mg/m ³	150 ppm 462 mg/m ³

DNELS and PNECS:

ETHANOL (CAS: 64-17-5)

Ingredient comments WEL = Workplace Exposure Limits

DNEL Workers - Inhalation; Long term systemic effects: 950 mg/m³

Workers - Inhalation; Short term local effects: 1900 mg/m³

Workers - Dermal; Long term systemic effects: 343 mg/kg/day

General population - Inhalation; Long term systemic effects: 114 mg/m³

General population - Inhalation; Short term local effects: 950 mg/m³

General population - Dermal; Long term systemic effects: 206 mg/kg/day

General population - Oral; Long term systemic effects: 87 mg/kg/day

PNEC - Fresh water; 0.96 mg/l

- marine water; 0.79 mg/l

- Intermittent release; 2.75 mg/l

- STP; 580 mg/l

- Sediment (Freshwater); 3.6 mg/kg

- Sediment (Marinewater); 2.9 mg/kg

- Soil; 0.63 mg/kg

2-METHYLPROPAN-2-OL (CAS: 75-65-0)

Ingredient comments WEL = Workplace Exposure Limits

DNEL Industry - Inhalation; Short term systemic effects: 240 mg/m³

Industry - Inhalation; Long term systemic effects: 49 mg/m³

Consumer - Inhalation; Short term systemic effects: 240 mg/m³
 Consumer - Inhalation; Long term systemic effects: 9.7 mg/m³
 Industry - Dermal; Long term systemic effects: 139 mg/kg
 Consumer - Oral; Long term systemic effects: 6.7 mg/kg
 Consumer - Dermal; Long term systemic effects: 83 mg/kg
 PNEC - Fresh water; 6.64 mg/l
 - marine water; 0.664 mg/l
 - Sediment; 5.8 mg/l
 Intermittent release; 9.33 mg/l
 Soil; 1 mg/kg
 STP; 690 mg/l

8.2 Exposure controls

Process conditions. Engineering measures. Respiratory equipment:

Not required under normal conditions of use.

Hand protection

For repeated use where skin cleansing is not required, we recommend wearing latex gloves.

Eye protection

Safety glasses, in case of splashes.

Hygiene measures

Handle and apply in accordance with good hygiene and safety practices.

Skin protection

No special measures noted. Product is intended for skin use.

Environmental Hazard Controls

Dispose of according to section 13.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Non-woven fabric impregnated with a clear alcohol solution.
Colour	Colourless.
Odour	ethanolic. Not a fragranced product.
Melting/freezing point	No information available.
Initial boiling point and boiling range	Pure ethyl alcohol will boil at approximately 78°C.
Solubility	Dispersible in water.
Flash Point	Ethyl alcohol has a flash point of <21°C (REACH dossier data).
Relative density	Not applicable.
Viscosity	Not applicable.
Vapour Pressure	Not determined.
Evaporation Rate	Not determined.
pH-Value, Conc. Solution	Not determined.
Decomposition temperature (°C)	No information available.
Odour Threshold, Lower	No information available.
Auto Ignition Temperature (°C)	Ethyl alcohol: > 300°C (REACH dossier data).
Flammability Limit – Lower(%)	Ethyl alcohol: ~3.5%
Flammability Limit – Upper(%)	Ethyl alcohol: ~19 %
Partition Coefficient (N-Octanol/Water)	Not applicable.
Explosive properties	Components within this product are not classified as explosive.
Oxidising properties	Based on available data the classification criteria are not met.

9.2 Other information

Wipe Substrate:	Non-woven fabric
Cleansing Solution:	Antibacterial, alcohol cleansing solution
Primary Packaging Options:	Laminated flow-wrapped pack with a re-sealable closure on the top face, or plastic bucket pack with push-close seal.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazards known.

10.2 Chemical Stability

This product is stable under the prescribed conditions of storage and use.

10.3 Possibility of hazardous reactions

Vapours may form explosive mixtures with the air.

10.4 Conditions to avoid

Avoid heat, flames, and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible materials

Oxidising agents. Acids.

10.6 Hazardous decomposition products

Carbon Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

General Summary:

This product complies with the requirements of the Biocidal Products Regulation 528/2012 (EU BPR).

Acute toxicity – oral	Acute toxicity oral (LD ₅₀ mg/kg) >2000. Species; Rat.
Acute toxicity – dermal	Acute toxicity dermal (LD ₅₀ mg/kg) >2000. Species; Rat.
Acute toxicity – inhalation	LC ₅₀ vapours mg/l) 20.0. Species; Rat. ATE inhalation (vapours mg/l) 20.0.
Skin corrosion/irritation	Not irritating. Rabbit OECD 404
Serious eye damage/irritation	Serious eye damage/irritation. Irritating. Rabbit OECD 405.
Respiratory sensitisation	Not sensitising.
Skin sensitisation	Not sensitising. (ethanol) Mouse OECD 429. This product is lightly fragranced, but does not meet the criteria for classification, nor elicitation of allergens according to CLP/EUH208, there are no Skin Sens 1A components within the fragrance.
Germ cell mutagenicity met.	Genotoxicity - in vitro Based on available data the classification criteria are not met.
Carcinogenicity	Carcinogenicity Based on available data the classification criteria are not met.
Reproductive toxicity	Fertility: Based on available data the classification criteria are not met.
Specific target organ toxicity	Single exposure. STOT - single exposure. Based on available data the classification criteria are not met. Repeated exposure. STOT - repeated exposure. Based on available data the classification criteria are not met.
Aspiration hazard	Aspiration hazard No information available.

Product considerations:

Likely Routes of Exposure:

Ingestion:

Inhalation:

Skin contact:

Eye contact:

Existing medical conditions:
conditions.

Skin contact. Eye contact.

May cause nausea, headache, dizziness and intoxication.

Gas or vapour in high concentrations may irritate the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea.

Intended for skin use. Repeated skin exposure may dryness.

causes eye irritation.

This product might aggravate existing skin

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1 Toxicity

For this product- Based on available data the classification criteria are not met.

Ethanol:

Acute toxicity – Fish	LC ₅₀ , 48 hours: > 100 mg/l, <i>Leuciscus idus</i> (Golden orfe) LC ₅₀ , 96 hour: 14200 mg/l, <i>Pimephales promelas</i> (Fat-head Minnow) LC ₅₀ , 96 hour: 13000 mg/l, <i>Oncorhynchus mykiss</i> (Rainbow trout) LC ₅₀ , 96 hour: 12000 - 16000 mg/l, <i>Oryzias latipes</i> (Red killifish)
Acute toxicity – aquatic invertebrates	EC ₅₀ , 48 hours: 12340 mg/l, <i>Daphnia magna</i>
Acute toxicity – aquatic plants	EC ₅₀ , 48 hours: > 100 mg/l, <i>Selenastrum capricornutum</i> EC ₅₀ , 72 hour: 275 mg/l, (<i>Chlorella vulgaris</i>)

12.2 Persistence and degradability

Persistence and degradability The liquid formula is readily biodegradable.

Biodegradation - Ethanol Degradation 84%: 20 days. Half-life : 1 to <10 days
2-methylpropan-2-ol: Water – Degradation: 99%

12.3 Bioaccumulative potential

The product is not expected to bio-accumulate. Ethanol log Pow: 0.31 ; 2-methylpropan-2-ol: log Pow: 0.3

12.4 Mobility in

soil Miscible in
water.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse

effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Highly flammable liquid and vapour. If disposing of significant quantities of this product, consider a dedicated flammables bin with sealed lid to contain vapours. For consumer use, a consumed wipe can be disposed of to traditional waste facilities without risk of fire.

13.1 Waste treatment methods

Do not dispose of via: sewers. Dispose of in accordance with current national & local regulations.

SECTION 14: TRANSPORT INFORMATION

Below 1 kg of the 70% v/v alcohol solution, this product is packaged and transported under the Limited Quantities provisions. Above this threshold, the product is packed and transported according to the classification below.

14.1 UN number

UN 3175 with special provisions: IATA A46, ADR 216 & 274, IMDG 216 & 274

14.2 UN proper shipping name

SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S (ethanol). 4.1, II, (E)

14.3 Transport hazard class(es)

4.1 – Flammable liquid.

14.4 Packing group

II

14.5 Environmental hazards

Not a marine pollutant.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBCcode

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU Legislation

-Complies with the requirements of the Biocidal Products Regulation 528/2012 (EU BPR)

-Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

-Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

-COMMISSION REGULATION (EU) 2015/830 (SDSs)

National Regulations

-The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). Health and Safety at Work Act (As Amended) 1974

-EH40 UK WEL (Work Place Exposure Limits)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Creation Date 13th Oct 2020

Revision Date 24th Feb 2021

Revision Number 1 (changes are indicated in the left-hand margin)

Disclaimer.

This information is based on our present state of knowledge. It should therefore not be construed as guaranteeing specific properties of the product described or its suitability for a particular use.