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MATERIAL SAFETY DATA SHEET

Alcohol Hand Cleanser

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

1.1. Product identifier

Alcohol Hand Cleanser

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

Cleaning fluid

1.3. Details of the supplier of the safety data sheet

Supplier:

Supplier:

Unicorn Hygienics Limited
Riverbank,
The Green
Tullynacross Road
Lisburn
BT27 5SR
Contact 028 9264 0827
info@unicorn-hygienics.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 2 H336

Environmental. This substance is not considered to be persistent, bioaccumulating nor toxic (PBT), not very persistent nor very bioaccumulating (vPvB)



Signal word: DANGER

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

Precautionary statements
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P243 Take precautionary measures against static discharge.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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.

Supplementary precautionary statements
 P233 Keep container tightly closed.
 P242 Use only non-sparking tools.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No / EINECS No/ EU Index number.	Symbol	H-Statements	Concentrations (%)
Ethyl Alcohol	64-17-5 200-578-6 603-002-00-5	DANGER 	H225 H319	30 - 50
Propan-2-ol		 	H225 H319 H336	30 - 50
Ethyl Acetate	141-78-6 205-500-4	 	H225 H319 H336	1 - 5
Cocoamphoacetate	68334-21-4 269-819-0	DANGER 	H318 H412	0.1 – 1.0
Cocamphodiacetate	68650-39-5	DANGER	H318 H412	0.1 – 1.0

Glycerine	272-043-5		-	-	0.1 – 1.0
	56-81-5 200-289-5				

The full text for all R-Phrases and H-statements if not displayed in section 2 or 3 are displayed in Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation - Remove person to fresh air. Keep warm and at rest. Apply artificial respiration if breathing has ceased or shows signs of failing. OBTAIN IMMEDIATE MEDICAL ATTENTION

Skin exposure – If an allergic reaction occurs, wash with soap and water.

Eye exposure - Immediately rinse with clean water for 15 minutes. Remove contact lenses if present and easy to do so, continue rinsing. OBTAIN IMMEDIATE MEDICAL ATTENTION

Ingestion - Wash out mouth with water. Do NOT induce vomiting. Give oxygen if there is difficulty in breathing. Give artificial respiration if breathing has stopped. OBTAIN IMMEDIATE MEDICAL ATTENTION

4.2 Most important symptoms and effects, both acute and delayed

Eyes - Liquid may cause conjunctival irritation and transient corneal damage.

Skin - Unlikely to cause appreciable irritation even on repeated contact.

Ingestion - Swallowing may have the following effects:- central nervous system depression, nausea, vomiting, loss of co-ordination and loss of consciousness. Aspiration during swallowing or vomiting may severely damage the lungs.

Inhalation - Exposure to vapour at concentrations of 1000ppm and above may have the following effects:- irritation of nose, throat and respiratory tract. Higher concentrations will have the following effects:- central nervous system depression. Systemic effects similar to those resulting from ingestion.

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

Information not available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Alcohol-resistant foam, dry chemical or carbon dioxide. Small fires. Use water spray, foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.

5.2 Special Hazards arising from the substance or mixture

Combustion may give rise to hazardous fumes.

The product is flammable. Heating may generate flammable vapours. Containers can burst

violently or explode when heated, due to excessive pressure build-up.

5.3 Advice for fire-fighters

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids. Wear complete protective clothing and self-contained breathing apparatus.

Risk of re-ignition after fire has been extinguished. Risk of explosion. Use water to keep fire exposed containers cool and disperse vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition and consider the need for evacuation.

Use appropriate personal protective equipment.

Avoid contact with eyes. Ensure adequate ventilation of the working area.

6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

Finally flush area with plenty of water

6.4 Reference to other sections

No reference necessary

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Open containers with care to avoid splashing.

Ensure adequate ventilation of working area and avoid inhaling vapours.

Do not eat, drink or smoke when using this product. No Smoking. Naked flames, hot elements or other ignition sources must not be present

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height.

Protect from heat and direct sunlight.

Storage and handling should be adequately earthed to prevent the build-up of static discharges.

Suitable Containers: Stainless steel, HDPE, PET.

Unsuitable Containers: Aluminium, copper.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control Parameters

Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2011)

LTEL (8 hour TWA): 1000 ppm	1920 mg/m ³	Data for ethanol
LTEL (8 hour TWA): 200 ppm	500 mg/m ³	Data for 1-propanol
STEL (15 min): 500 ppm	1250 mg/m ³	Data for 1-propanol

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Appropriate engineering controls
Eye/face protection

Not relevant.
Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.

Hand protection
Other skin and body protection

Not relevant.
Not relevant.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.

Respiratory protection

Not relevant.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance; Clear colourless liquid

Odour; characteristic odour

Odour threshold; Information not specified

pH; 7.0 -8.0

Relative Density: 0.87 @ 20°C

Solubility (ies); Solubility in water=complete

Auto ignition temperature: >200 °C

Decomposition temperature: Information not specified

Pursan Alcohol Hand Cleanser

9.2 Other Information

No other relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Information not specified

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No Hazardous reactions known

10.4 Conditions to avoid

High temperatures, static discharges, sources of ignition

10.5 Incompatible materials

Oxidising agents, Strong acids

10.6 Hazardous decomposition products

Combustion will generate: oxides of carbon, oxides of nitrogen, Acrid smoke and irritating flames

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	LD50 rat (oral) mg/kg	No data available
Dermal compatibility		No data available
Mucous membrane		
Compatibility		No data available. (May cause eye irritation)
Further information		Vapours may cause respiratory irritation, and drowsiness or dizziness.
Skin sensitisation		
Skin sensitisation Guinea pig maximization test (GPMT)		Not sensitising.
Germ cell mutagenicity		
Genotoxicity - in vitro Gene mutation::		Negative. Not mutagenic
Genotoxicity - in vivo :		Negative.
Carcinogenicity		Does not contain any substances known to be carcinogenic.
Skin contact		No specific health hazards known. Not a skin sensitiser.
Eye contact		Irritating to eyes.
Route of entry		Inhalation Ingestion.

12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute toxicity - fish LC50, 48 hours, 48 hours: > 100 mg/l, *Leuciscus idus* (Golden orfe)

Acute toxicity - aquatic

invertebrates

EC₅₀, >: > 100 mg/l, *Daphnia magna*

24 hours

Acute toxicity - aquatic plants EC₅₀, >: > 100 mg/l,

Chlorella pyrenoidosa

12.2. Persistence and degradability

Persistence and degradability

Biodegradation Air.

Readily biodegradable

The product is readily biodegradable.

- Degradation (%) 70: > 5 days

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects

Not available.

13. DISPOSAL

13.1 Waste Treatment Methods

Waste: If not recoverable, dispose of for incineration by a licensed operator in accordance with all local and national regulations.

Packaging: Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Ensure conformance with local and national regulations

14. TRANSPORT INFORMATION

14.1. UN number



UN number: 1987

14.2 UN proper shipping name: ALCOHOLS, N.O.S. (ETHANOL, PROPAN-2-OL)

13.3 Transport hazard class(es):

Packing group: II

Environmental hazards: Highly flammable liquid, the product is not classed as harmful for the environment

Special Precautions for user:

AIR

ICAO / IATA Class: 3
UN Packaging Group: II

SEA

IMDG Class: 3.2
IMDG EMS: 3-06
MFAG: 305
UN Packing group: II

Road Rail

ADR/RID Class: 3
ADR/ RID Item No: 3 (B)
ADR/ RID Hazard ID: 33

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Applicable for maritime transport only, check with carrier.

15. REGULATORY INFORMATION

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

This mixture is classified and labelled in accordance with regulation 1272/2008. Chip classification has been produced according to Directive 67/548/EC and the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations.

15.2 Chemical Safety Assessment

CSA not undertaken for this substance

16. OTHER INFORMATION

Pursan Alcohol Hand Cleanser

Revision comments New issue in new format

Revision date 09/09/2015

SDS status Approved.

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