

Section 1: Identification of the substance/mixture and of the company /undertaking

1. 1. Product Identifier

Product name: ENVIRO-SAN® 75% Alcohol Hand Sanitiser.

Product Form: Liquid Mixture

Type: Biocide

Product Group: Product

1.2. Relevant Identified use of the substance or mixture and uses advised against

Industrial/ professional use spec : a viscous, alcohol based gel used for sanitising hands

1.3. Details of the supplier of the safety data sheet

Company name: Envirotec Hygiene Services

12 Envirotec House
Old Waleswood Colliery
Mansfield Road
Sheffield
S26 5PQ

Telephone: 01909772835

Email: Info@envirotec-hs.co.uk

1.4. Emergency telephone number

National Poisons Information Centre (Birmingham Centre): 0344 892 0111

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225

2.2 Label elements

Labelling according to regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

Signal word (CLP): Danger

Hazardous ingredients: IPA Isopropanol (Isopropyl)

Hazardous Statements (CLP): H225 – Highly flammable liquid and vapour

Precautionary statements (CLP) P210 Keep away from heat, sparks, open flames and other ignition sources

2.3. Other hazards

No Other information available

Section 3: Composition/information on ingredients**3.1. Substances**

Not Applicable

3.2. Mixtures**Hazardous ingredients:**

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-14 (EVEN NUMBERED)-ALKYLDIMETHYL, CHLORIDES - IPA (Isopropyl) -
REACH registered number(s): 01-2119970550-39-0000

EINECS	CAS	PBT / WEL	Classification 1272/2008 [CLP]	Percent
939-350-2	63449-41-2	-	Skin Corr. 1B: H314; Acute Tox. 4: H302; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<3%
200-661-7	67-63-0		Skin Corr. 1B: H314; Acute Tox. 4: H302; Aquatic Chronic 1: H410; Aquatic Acute 1: H400 Flam. Liq 2, H225, Acute tox . 3 (Oral), H302 Acute tox . 3 (Dermal), H311 Acute tox . 3 (Inhalation: dust, mist) H331 STOT SE 1. H370	<75%

Non-classified ingredients

TYLOSE THICKENER

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	-	-	-	<3%

AMINES, C12-14 (EVEN NUMBERED) ALKYLDIMETHYL, N-OXIDES

-	308062-28-4	-	Eye dam. 1:H318	<3%
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DIDECYLDIMETHYLAMMONIUM CHLORIDE

230-525-2	7173-51-5	-	Acute Tox. 4: h302; Skin Corr. 1B: H314	<3%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Not applicable.

Eye contact: Bathe the eye with running water for 15 minutes. Remove contact lenses

Ingestion: Wash out mouth with water. Do not induce vomiting.

Inhalation: Consult a doctor.

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

Symptoms/effects: may cause damage to organs (If you feel unwell seek medical advice).

Symptoms/effects after eye contact: may cause slight irritation

4.3. Indication of immediate medical attention and special treatment needed

Immediate / special treatment: No information available

Section 5: Fire-fighting measures

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Foam Dry Powder. Carbon Dioxide. Water Spray. Sand

Unsuitable Extinguishing media: Do not use heavy water spray

5.2. Special hazards arising from the substance or mixture

Fire Hazard: Highly Flammable liquid and vapour

Explosion hazard: May form flammable/ explosive vapour-air mixture.

5.3. Advice for fire-fighters

Firefighting Instructions: Use water spray or fog cooling exposed containers, exercise caution when fighting any chemical fire, prevent firefighting water from entering the environment

Protection during firefighting: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources, use special care to avoid static electric charges, no open flames. No open smoking

6.1.1 For Non-emergency

Emergency procedures: Evacuate unnecessary personnel

6.1.2. For emergency responders

Protective equipment: Equip clean-up crew with proper protection, avoid breathing vapours

Emergency procedures: Ventilate area

6.2. Environmental precautions

Environmental Precautions: Do not discharge into drains or rivers. Contain spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container or disposal by an appropriate method. Prevent the escape of further liquid.

6.4. Reference to other sections.

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage**7.1. Precautions for safe handling**

Additional hazards when processed: Handle empty containers with care because residual vapours flammable
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep containers tightly closed. Do not expose to temperatures exceeding 50°C / 122°F
Incompatible products: Strong bases. Strong acids
Incompatible material: Sources of ignition. Direct sunlight. Heat sources

7.3. Specific end use(s)

Specific end use(s): Biocide

Section 8: Exposure controls/personal protection**8.1. Control parameters**

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999mg/m²

Short-term exposure limit (15-Minute TWA): WEL 500 ppm 150mg/m²

WEL = Workplace Exposure Limit

Ingredient comments WEL – Workplace Exposure Limits

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	3.96	Workers	Systemic
DNEL	Dermal	5.7	Workers	Systemic
DNEL	Oral	3.4	Consumers	Systemic

8.2, Exposure controls

Respiratory protection:	Not required for normal conditions of use
Hand protection:	Not applicable
Eye protection:	Not required for normal conditions of use
Skin protection:	Not required for normal conditions of use
Other information:	Do not breathe vapours, do not eat, drink or smoke when using this product

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless.
Odour:	characteristic.
Odour threshold:	No data available
pH:	7
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	78 °C
Flash point:	17.5 °C
Auto-ignition temperature:	365 °C
Decomposition temperature:	No data available
Flammability (solid, gas):	Highly flammable liquid and vapour
Vapour pressure:	5.7 kPa
Relative vapour density at 20 °C:	1.59
Relative density:	0.89 Density : 0.82 g/cm ³
Solubility:	No data available
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	1.2 cP
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2. Other information

No additional information available

Section 10: Stability and reactivity**10.1. Reactivity**

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibly of hazardous reactions

Not established

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases

Section 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified pH: 7
Additional information :	Based on available data, the classification criteria are not met
Serious eye damage/irritation:	Not classified pH: 7
Additional information :	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation:	Not classified
Additional information:	Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity:	Not classified
Additional information:	Based on available data, the classification criteria are not met
Reproductive toxicity:	Not classified
Additional information:	Based on available data, the classification criteria are not met
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Additional information:	Based on available data, the classification criteria are not met
Aspiration hazard:	Not classified
Additional information:	Based on available data, the classification criteria are not met

Section 12: Ecological information

Toxicity values: No data available

12.2. Persistence and degradability

Persistence and degradability: Not established

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established

12.4. Mobility in soil

Mobility: No additional information

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional Information: Avoid release to the environment

Section 13: Disposable considerations**13.1. Waste treatment methods****Product/Packaging**

disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.

Additional information: Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials: Avoid release to the environment.

HP Code: H3-A - 'Highly flammable':

- liquid substances and preparations having a flash point below 21 °C (including extremely flammable liquids), or
- substances and preparations which may become hot and finally catch fire in contact with air at ambient temperature without any application of energy, or
- solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the source of ignition, or gaseous substances and preparations which are flammable in air at normal pressure, or substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities. H5 - 'Harmful': substances and preparations which, if they

Section 14: Transport information

In accordance with ADR/ IMDG / IATA / AND / RID

14.1. UN number

UN No. (ADR/RID)	1219
UN No. (IMDG)	1219
UN No. (ICAO)	1219
UN No. (ADN)	1219

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (IMDG)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (ICAO)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (ADN)	ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR): 3

Danger labels (ADR): 3

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**IMDG**

Transport hazard class(es) (IMDG): 3

Danger labels (IMDG): 3

:

**IATA**

Transport hazard class(es) (IATA): 3

Hazard labels (IATA): 3

:



ADN

Transport hazard class(es) (ADN): 3

Danger labels (ADN): 3

:

**RID**

Transport hazard class(es) (RID): 3

Danger labels (RID): 3

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**14.4. Packing group**

ADR/RID packing group; II

IMDG packing group II

ADN packing group II

ICAO packing group II

14.5. Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

14.6. Special precautions for user**- Overland transport**

Classification code (ADR): F1

Special provisions (ADR): 144, 601

Limited quantities (ADR): 1I

Excepted quantities (ADR): E2

Packing instructions (ADR): P001, IBC02, R001

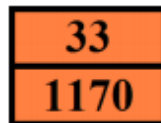
Mixed packing provisions (ADR): MP19

Portable tank and bulk
container instructions ADR): T4

Portable tank and bulk c
Container special provisions (ADR): TP1 T
Tank code (ADR) : LGBF

Vehicle for tank carriage: FL
Transport category (ADR): 2
Special provisions for carriage –
Operation (ADR): S2, S20
Hazard identification number
(Kemler No.): 33

Orange plates:



Tunnel restriction code (ADR) : D/E
EAC code : •2YE

- Transport by sea

Special provisions (IMDG) : 144
Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG): TP1
EmS-No. (Fire): F-E
EmS-No. (Spillage): S-D

Stowage category (IMDG) :	A
Properties and observations (IMDG):	Colourless, volatile liquids. Pure Isopropyl: flashpoint 13°C c.c. Explosive limits: 3.3% to 19% Miscible with water. –

Air transport

PCA Excepted quantities (IATA):	E2 PCA
Limited quantities (IATA):	Y341
PCA limited quantity	
max net quantity (IATA):	1L
PCA packing instructions (IATA):	353
PCA max net quantity (IATA):	5L
CAO packing instructions (IATA):	364
CAO max net quantity (IATA):	60L
Special provisions (IATA):	A3, A58, A180
ERG code (IATA):	3L –

Inland waterway transport

Classification code (ADN):	F1
Special provisions (ADN):	144, 61
Limited quantities (ADN):	1 L
Excepted quantities (ADN):	E2
Carriage permitted (ADN):	T
Equipment required (ADN):	PP, EX, A
Ventilation (ADN):	VE01
Number of blue cones/lights (ADN):	1

Rail transport

Classification code (RID):	F1
Special provisions (RID):	144, 601
Limited quantities (RID):	1L
Excepted quantities (RID):	E2
Packing instructions (RID):	P001, IBC02, R001
Mixed packing provisions (RID):	MP19
Portable tank and bulk	
container instructions (RID):	T4
Portable tank and bulk	
container special provisions (RID):	TP1
Tank codes for RID tanks (RID):	LGBF

Transport category (RID): 2
 Colis express (express parcels) (RID): CE7
 Hazard identification number (RID): 33

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Section 15: Regulatory information

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

15.1.1. EU-Regulation

Contains no REACH substances with Annex XVII restrictions
 Contains no substance on the REACH candidate list
 Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Section 16: Regulatory information

Data sources:	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.
Other information:	None.
Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H302:	Harmful if swallowed
H318:	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H370	Causes damage to organs

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide, this company shall not be held liable for any damage resulting from handling or from contact with the above product

