

SCAN Hand Sanitiser

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

1.1 Product Identifier

Trade name SCAN Hand Sanitiser

REACH Registration number Not applicable

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

Relevant Identified uses alcohol-based hand rub formulation for sanitizing hands.

1.3 Details of the supplier of the safety data sheet

SCAN SAFETY, Phoenix House, 3 White Lodge Business

Estate, Hall Road, Norwich, Norfolk, NR4 6DG

E-mail: enquiries@scan-safety.com

Telephone: 01603 671640

1.4 Emergency Telephone Number

Emergency Tel: +44(0)7779 594 460

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

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

Hazard Class	Category	Hazard Class and category	Hazard Code
Flammable liquids	Cat. 2	Flam. Liq. 2	H225
Eye Irritation	Cat. 2	Eye Irrit. 2	H319

Remarks: For full text of H-Phrases: See SECTION 16.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

UFI

Signal Word

Danger

Hazard Pictograms



GHS02



GHS07

Hazard Statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary Statements

Precautionary Statements – Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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- P233 Keep container tightly closed.
- P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P280 Wear eye protection/ face protection.

Precautionary Statements – Response

- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Precautionary Statements – Storage

- P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements – Disposal

- P501 Dispose of contents, container in accordance with local regulation.

Contains: Ethyl Alcohol

EUH-Statement:

2.3 Other hazards

- The substances of this mixture do not meet the PBT /vPvB criteria of REACH Annex XIII



SECTION 3: Composition/Information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	CAS No	EC No	Vol %	Classification acc. to 1272/2008/EC	Pictograms
Ethyl Alcohol	64-17-5	200-578-6	70	Flam. Liq. 2; H225	 
Hydrogen Peroxide (3% Sol ⁿ)	7722-84-1	231-765-0	≤ 3	No Classification	None
Glycerol	56-81-5	200-289-5	≤ 3	No Classification	None

Note: For full text of abbreviations: Sec SECTION 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues

Following skin contact

Rinse with water.

Following eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Following ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

4.2 Delayed/Immediate Effects

General Information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin

Eye Contact

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

4.3 Immediate/Special Treatment

None

SECTION 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Unsuitable Extinguishing Media

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Water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting

Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. May form explosive mixtures in air. Exposure to decomposition products may be a hazard to health.

Hazardous combustion products

Carbon oxides

Silicon oxides

5.3 Protection for Fire-Fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

Avoid contact with eyes. Avoid inhalation of vapours. No smoking, sparks, flames or other sources of ignition near spillage.

6.2 Environmental Precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waster disposal containers and seal securely.

SECTION 7: Handling and Storage

7.1 Handling

Avoid contact with eyes. Keep away from heat. Eliminate all sources of ignition. Causes slippery surface when spilled. Ensure there is enough ventilation of the area.

7.2 Storage

Keep away from heat, sparks and open flame. Store in tightly closed, original container in a well-ventilated place. Keep at temperature not exceeding 35°C.

7.3 Specific end use(s)

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

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SECTION 8: Exposure Control/Personal Protection

8.1 Control Parameters

National Limit values

Workplace Exposure Limits (Occupational Exposure Limit)

Country	Substance	CAS No.	Limit value-8 hours (TWA)		Limit value-15 min (STEL)	
			ppm	mg/m ³	ppm	mg/m ³
United Kingdom	Ethyl Alcohol	64-17-5	1000	1920		
United Kingdom	Hydrogen peroxide	7722-84-1	1	1.4	2	2.8
United Kingdom	Glycerol	56-81-5		10		

TWA: **Time-Weighted Average** (Long-term exposure limit): measured or calculated in relation to a reference period of 8 hours-time weighted average.

STEL: **Short-Term Exposure Limit**: a limit value above which exposure should not occur and which is related to a 15-min period unless otherwise specified.

8.2 Exposure Controls

Engineering Measures

All handling should only take place in well-ventilated areas.

Eye Protection

None required if care is taken not to splash in eyes when pouring or using.

Hand Protection

No special protective equipment required for normal conditions of use.

Skin Protection

No special protective equipment required for normal conditions of use.

Respiratory Protection

No personal respiratory protective equipment normally required.

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

Appearance	: Liquid form
Odour	: Characteristic odour
Odour threshold	: No data available currently.
pH	: No data available currently.
Melting point/freezing point	: No data available currently.
Boiling point	: No data available currently.

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Flash Point(°C)	: 18 °C
Evaporation Rate	: No data available currently.
Flammability limits % lower	: No data available currently.
Flammability limits % Upper	: No data available currently.
Vapour Pressure	: No data available currently.
Vapour density	: No data available currently.
Relative density	: No data available currently.
Solubility (Water)	: Soluble
Solubility (Benzene)	: Soluble
Solubility (Acetone)	: Soluble
Solubility (Ethanol)	: Soluble
Partition Coefficient n-Octanol/Water	: No data available currently.
Auto Flammability(°C)	: No data available currently.
Decomposition temperature	: No data available currently.
Viscosity	: No data available currently.
Explosive properties	: No data available currently.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Hazardous Reactions

Vapours may form explosive mixture with air.

10.4 Conditions to Avoid

Heat, flames and sparks.

10.5 Material to Avoid

Strong oxidising agents, Flammable solids and water-reactive substances.

10.6 Hazardous Decomposition Products

No hazardous decomposition products are known.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

Classification Procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Acute Toxicity

Shall not be classified as acutely toxic.

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Toxicity: Mixture

No data available

Toxicity: Components of Mixture

Name of Substance	CAS No	Exposure Route	Dose Descriptor	Effect Level	Species
Ethyl Alcohol	64-17-5	Oral	LD ₅₀	> 5,000 mg/kg	Rat
Ethyl Alcohol	64-17-5	Inhalation	LC ₅₀	> 124.7 mg/l, 4 h	Rat
Glycerol	56-81-5	Oral	LD ₅₀	27,200 mg/kg	Rat
Glycerol	56-81-5	Dermal	LD ₅₀	56,750 mg/kg	Guinea pig

Skin Corrosion/Irritation

Based on available data, this product shall not be classified as corrosive/irritant to skin.

Serious Eye Damage/Eye Irritation

Causes serious eye irritation.

Respiratory or Skin Sensitisation

Based on available data, this product shall not be classified as respiratory or skin sensitiser.

Summary of Evaluation of the CMR Properties

Based on available data, this product shall not be classified as germ cell mutagenic, Carcinogenic nor as a reproductive toxicant.

Specific Target Organ Toxicity (STOT)

Based on available data, this product shall not be classified for specific target organ toxicity.

Aspiration Hazard

Based on available data, this product shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological Information

12.1 Toxicity: Mixture

No data available.

Based on the available information, substance/mixture does not fulfil the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I. Not regarded as dangerous for the environment.

Toxicity: Components of Mixture

Name of Substance	CAS No	Dose Descriptor	Effect Level	Species	Exposure Time
Ethyl Alcohol	64-17-5	LC ₅₀	15.3 mg/l	Fish	96 h
Ethyl Alcohol	64-17-5	EC ₅₀	5012 mg/l	Daphnia magna	48 h
Ethyl Alcohol	64-17-5	EC ₅₀	32.1 mg/l	Bacteria	0.25 h
Glycerol	56-81-5	LC ₅₀	54000 mg/l	Fish	96 h

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12.2 Persistence and Degradability

This product, at use dilutions, is readily broken down in biological effluent treatment plants. Degradability of components of the mixture

Name of Substance	CAS No	Process	Degradation Rate	Time
Ethyl Alcohol	64-17-5	Biodegradation	84 %	20 d

12.3 Bioaccumulation Potential

Data is not available.

Bioaccumulation Potential of components of the mixture:

Name of Substance	CAS No	BFC	Log POW	BOD5/COD
Ethyl Alcohol	64-17-5		-0.35	
Glycerol	56-81-5		-1.75 at 25 °C and pH 7.4	

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB assessment

The substances of this mixture do not meet the PBT / vPvB criteria of REACH Annex XIII

12.6 Other Adverse Effects

No data available.

SECTION 13: Disposal Considerations

13.1 Disposal Operations

Product

Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste.

Contaminated packaging

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

14.1 UN Number:

ADR/RID: - UN 1987

IMDG: - UN 1987

IATA: - UN 1987

14.2 UN proper Shipping Name:

ADR/RID:

ALCOHOLS, N.O.S. (Ethanol)

IMDG:

ALCOHOLS, N.O.S. (Ethanol)

IATA:

ALCOHOLS, N.O.S. (Ethanol)

14.3 Transport Hazard Class(es):

ADR/RID: - 3

IMDG: - 3

IATA: - 3

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SECTION 16: Other Information

Abbreviations and Acronyms

Abbr.	: Descriptions of used abbreviations
AcuteTox	: Acute Toxicity
BOD	: Biological Oxygen Demand
CAS	: Chemical Abstract Service
CLP	: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances
CMR	: Carcinogenic, Mutagenic or Toxic for Reproduction
DMEL	: Derived Minimal Effect Level
DNEL	: Derived No-Effect Level
DOC	: Dissolved Organic Carbon
GHS	: Globally Harmonised System of classification and labelling of chemicals
IATA	: International Air Transport Association
IMDG	: International Maritime Dangerous Goods
LogKOW	: n-Octanol/water
PNEC	: Predicted No-effect Concentration
RID	: International Carriage of Dangerous Goods by Rail
STEL	: Short-Term Exposure Limit
TOC	: Total Organic Carbon
TWA	: Time Weighted Average
WEL	: Workplace Exposure Limit

Key literature references and sources for data

Supplier

ECHA

List of Hazard Codes and Hazard Statements:

H319	: Causes serious eye irritation
H225	: Highly Flammable liquid and vapor
H226	: Flammable liquid and vapor

Legal Disclaimer

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