

WINDMILL ALCOHOL HAND SANITISER

CODE : 10-208

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 04/03/2026 Version: 10.75



Generated : 19/05/2026

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

1.1. Product identifier

Product form : Mixture
Trade name : WINDMILL ALCOHOL HAND SANITISER
Product code : 10-208
Type of product : Biocide

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

Relevant identified uses

Main use category : Consumer use
Use of the substance/mixture : Hand sanitizers

1.3. Details of the supplier of the safety data sheet

AUK SUPPLIES LTD
7 CAVALIER ROAD
HEATHFIELD INDUSTRIAL ESTATE
NEWTON ABBOT
DEVON
TQ12 6TQ
UNITED KINGDOM
Tel: 01626 355177 Email: info@aukhygiene.com

1.4. Emergency telephone number

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|-----------------------------------|--|--------------------------------------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH | 0344 892 0111 | Only for healthcare professionals |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2 H225
Serious eye damage/eye irritation, Category 2 H319
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) : Danger

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| | |
|--------------------------------|---|
| Hazard statements (CLP) | : H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. |
| Precautionary statements (CLP) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. |

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-----------|---|
| ethanol; ethyl alcohol substance with national workplace exposure limit(s) (IE, GB) | CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43 | ≥ 60 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Get medical advice/attention if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash with soap and water. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : None under normal use. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact | : Causes eye irritation. |
| Symptoms/effects after ingestion | : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|-------------------------------------|
| Suitable extinguishing media | : Carbon dioxide. Dry powder. Foam. |
|------------------------------|-------------------------------------|

5.2. Special hazards arising from the substance or mixture

| | |
|-------------|--------------------------------|
| Fire hazard | : Flammable liquid and vapour. |
|-------------|--------------------------------|

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5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.
Storage conditions : Store in a well-ventilated place. Keep container tightly closed.
Incompatible products : Oxidizing agent. Strong acids. Strong bases.
Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

ethanol; ethyl alcohol (64-17-5)

Ireland - Occupational Exposure Limits

| | |
|------------|----------|
| Local name | Ethanol |
| OEL STEL | 1000 ppm |

United Kingdom - Occupational Exposure Limits

| | |
|-------------------|------------------------|
| Local name | Ethanol |
| WEL TWA (OEL TWA) | 1920 mg/m ³ |
| | 1000 ppm |

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DNEL and PNEC

| ethanol; ethyl alcohol (64-17-5) | |
|--|--------------------------|
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 1900 mg/m ³ |
| Long-term - systemic effects, dermal | 343 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 950 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - local effects, inhalation | 950 mg/m ³ |
| Long-term - systemic effects, oral | 87 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 114 mg/m ³ |
| Long-term - systemic effects, dermal | 206 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.96 mg/l |
| PNEC aqua (marine water) | 0.79 mg/l |
| PNEC aqua (intermittent, freshwater) | 2.75 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 3.6 mg/kg dwt |
| PNEC sediment (marine water) | 2.9 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.63 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 0.72 g/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 580 mg/l |

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Not required for normal conditions of use.

Personal protection equipment

Eye and face protection

Eye protection:

Not required for normal conditions of use. If there is a risk of liquid being splashed : Safety glasses. ISO 16321-1

Skin protection

Skin and body protection:

Not required for normal conditions of use

Hand protection:

Not relevant

Other skin protection

Materials for protective clothing:

Not required for normal conditions of use

Respiratory protection

Respiratory protection:

Not relevant

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Appearance | : Mobile liquid. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : ≈ 78.3 °C |
| Flammability | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : ≈ 18 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 7 |
| Viscosity, kinematic | : Not available |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : 0.87 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |

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Acute toxicity (inhalation) : Not classified

ethanol; ethyl alcohol (64-17-5)

| | |
|-----------------------------------|--|
| LD50 oral rat | 15010 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 14450 - 15560 |
| LD50 oral | 10470 mg/kg bodyweight |
| LD50 dermal | 15800 mg/kg bodyweight |
| LC50 Inhalation - Rat (Dust/Mist) | > 99999 mg/l |

Skin corrosion/irritation : Not classified
pH: 7Serious eye damage/irritation : Causes serious eye irritation.
pH: 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

ethanol; ethyl alcohol (64-17-5)

| | |
|--|--|
| NOAEL (subchronic, oral, animal/male, 90 days) | < 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| NOAEL (subchronic, oral, animal/female, 90 days) | > 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |

Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information**12.1. Toxicity**

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

ethanol; ethyl alcohol (64-17-5)

| | |
|------------------------------------|--|
| LC50 - Fish [1] | 14200 mg/l |
| EC50 - Other aquatic organisms [1] | 5012 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 275 mg/l |
| NOEC (chronic) | 9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d' |

12.2. Persistence and degradability

Persistence and degradability : Rapidly degradable

ethanol; ethyl alcohol (64-17-5)

Persistence and degradability : Rapidly degradable

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12.3. Bioaccumulative potential

ethanol; ethyl alcohol (64-17-5)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -0.32 |
|---|-------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available




SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional waste regulation | : Dispose of in accordance with relevant local regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

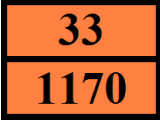
| ADR | IMDG | IATA |
|---|---|---|
| 14.1. UN number or ID number | | |
| UN 1170 | UN 1170 | UN 1170 |
| 14.2. UN proper shipping name | | |
| ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) | Ethanol solution |
| Transport document description | | |
| UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E) | UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II | UN 1170 Ethanol solution, 3, II |
| 14.3. Transport hazard class(es) | | |
| 3 | 3 | 3 |
|  |  |  |
| 14.4. Packing group | | |
| II | II | II |

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| ADR | IMDG | IATA |
|--|---|-----------------------------------|
| 14.5. Environmental hazards | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-D | Dangerous for the environment: No |
| 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 container special provisions (ADR) | : TP1 |
| 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 |
| Stowage category (IMDG) | : A |

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 |

14.7. Maritime transport in bulk according to IMO instruments

| | |
|----------|-------------------|
| IBC code | : Not applicable. |
|----------|-------------------|

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SECTION 15: Regulatory information

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

EU-Regulations

Other information, restriction and prohibition regulations : Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and all its amendments and modifications. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 and all its amendments and modifications.

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

| Section | Changed item | Comments |
|---------|---------------------------------------|----------------------------|
| 4.1 | First-aid measures after skin contact | Added |
| 8.1 | Additional information | Added |
| 14 | ADR Regulatory status | correction of error |

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.

Full text of H- and EUH-statements:

| | |
|--------------|---|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |

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Full text of H- and EUH-statements:

| | |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|--------------|------|-----------------------|
| Flam. Liq. 2 | H225 | On basis of test data |
| Eye Irrit. 2 | H319 | Calculation method |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.