



SAFETY DATA SHEET

2WORK 70% ALCOHOL HAND SANITISER GEL

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

1.1. Product identifier

Product name 2WORK 70% ALCOHOL HAND SANITISER GEL

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

Identified uses Hand Sanitiser.

1.3. Details of the supplier of the safety data sheet

Supplier VOW Europe LTD
MAGNA PARK
HARRIER PARKWAY
LUTTERWORTH
LE17 4XT
0844 980 8000
www.voweurope.com

1.4. Emergency telephone number

Emergency telephone NHS Direct Wales 08454647

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements 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.
P233 Keep container tightly closed.
P243 Take action to prevent static discharges.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/ container in accordance with national regulations.

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Supplementary precautionary statements	P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P264 Wash contaminated skin thoroughly after handling. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P337+P313 If eye irritation persists: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.
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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL (ETHYL ALCOHOL)	60-100%
CAS number: 64-17-5	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Due to the small packaging, the risk of inhalation is minimal.
Ingestion	Do not induce vomiting. Get medical attention immediately.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Get medical attention.

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

Inhalation	No specific symptoms known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	None known.
Eye contact	May cause severe eye irritation.

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

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, fog or mist. Carbon dioxide or dry powder. Dry chemicals.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Extremely flammable liquid and vapour. May form explosive mixture with air at very high concentration.
Hazardous combustion products	Oxides of carbon.

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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains, water courses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Avoid contact with eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.
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Storage class	Flammable liquid storage.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Long term exposure limit (8 hour TWA):

•1000 ppm

•1920 mg/m³

Short term exposure limit – N/A

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Not applicable.
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Personal protection	Materials for protective clothing: GIVE EXCELLENT RESISTANCE: butyl rubber. viton. GIVE GOOD RESISTANCE: neoprene. tetrafluoroethylene. GIVE LESS RESISTANCE: nitrile rubber. polyethylene. GIVE POOR RESISTANCE: natural rubber. PVA. PVC.
Eye/face protection	No specific eye protection required during normal use. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	Not applicable.
Other skin and body protection	Not applicable.
Hygiene measures	Do not smoke in work area. Discard contaminated shoes and clothing.
Respiratory protection	Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Alcohol odour. Pleasant odour.
pH	6.0 - 7.5
Melting point	Not available.
Flammability (solid, gas)	Highly flammable liquid and vapour.
Upper/lower flammability or explosive limits	Not available.
Relative density	0.8-0.9 g/cm-3
Solubility(ies)	Not available.
Viscosity	5800-7000 mPa.s @ 20°C
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, sparks and open flame.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Summary Not classified.

Acute toxicity - dermal

Summary Not classified

Acute toxicity - inhalation

Summary Not classified.

Skin corrosion/irritation

Summary No adverse effect observed

Serious eye damage/irritation

Summary Eye Irritation

Respiratory sensitisation

Summary No adverse effect observed

Skin sensitisation

Summary No sensitising effect known.

Germ cell mutagenicity

Summary Based on available data, the classification criteria are not met.

Carcinogenicity

Summary Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Summary Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Summary Not Classified

Specific target organ toxicity - repeated exposure

Summary Not classified

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation No specific health hazards known.

Ingestion May cause nausea, headache, dizziness and intoxication.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness.

SECTION 12: Ecological information

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

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

12.2. Persistence and degradability

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Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Waste is classified as hazardous waste. Dispose of waste product or used containers in accordance with local regulations Contaminated Packaging
Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapour), and can be dangerous. Keep product and empty container away from heat and sources of ignition.
European Waste Catalogue (EWC)
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN No. (ADN) 1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

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Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

SECTION 15: Regulatory information

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

National regulations	•CDG: Carriage of dangerous goods •CHIP: Chemicals (Hazard Information and Packaging for Supply) •CLP: Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation), adopting in the EU the Globally Harmonised System (GHS) •COSHH: Control of substances hazardous to health •DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) •REACH: Registration, Evaluation, Authorisation & restriction of CHemicals (REACH)
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15.2. Chemical safety assessment

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet	CASChemical Abstracts Service
	CDGCarriage of dangerous goods
	CHIPChemicals (Hazard Information and Packaging for Supply)
	CLPClassification, Labelling and Packaging of Substances and Mixtures Regulation
	COSHH Control of substances hazardous to health
	DSEARDangerous Substances and Explosive Atmospheres Regulations 2002
	EC50 Effective Concentration 50%
	EWCEuropean Waste Code
	LC50 Lethal Concentration 50%
	LD50 lethal Dose 50%
	PBTPersistent, bioaccumulative and toxic substances
	REACHRegistration, Evaluation, Authorisation & restriction of CHemicals (REACH)
	TWATime Weighted Average
	VOCVolatile Organic Compound
	VPvBVery high persistent, bioaccumulative and toxic substances
	WELWorkplace Exposure Limit
General information	Use biocides safely. Always read the label and product information before use. Only trained personnel should use this material.
Key literature references and sources for data	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
Revision date	24/09/2020
Revision	13
Supersedes date	23/09/2020
SDS number	23543
Hazard statements in full	H225 Highly flammable liquid and vapour.
	H226 Flammable liquid and vapour.
	H319 Causes serious eye irritation.

DIRECTIONS FOR USE

PRODUCT LOGO

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, many of which are solely within the user's knowledge and control, the user is responsible for determining whether the usage of this product is fit for a particular purpose and suitable for the user's method of use or application. It is essential that the user, not the manufacturer, evaluates this product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.