



SAFETY DATA SHEET

WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB

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

1.1. Product identifier

Product name WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB
EC number 200-578-6

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

Identified uses Hand Sanitizer

1.3. Details of the supplier of the safety data sheet

Supplier Orcagel Ltd
Blackhouse Industrial Estate
PETERHEAD
AB42 1BN
technical@orcagel.com

1.4. Emergency telephone number

Emergency telephone +44 (0)1779 871945(Mon - Fri) 09:00 - 16:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

EC number 200-578-6

Hazard pictograms



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.

WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB

Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233 Keep container tightly closed.
	P240 Ground and bond container and receiving equipment.
	P241 Use explosion-proof electrical equipment.
	P242 Use non-sparking tools.
	P243 Take action to prevent static discharges.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	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.
P501 Dispose of contents/ container in accordance with national regulations.	

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL	80%
CAS number: 64-17-5	EC number: 200-578-6
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11
Water	20%
CAS number: 7732-18-5	
Classification	
Not Classified	
HYDROGEN PEROXIDE SOLUTION 3%	0.042%
CAS number: 7722-84-1	EC number: 231-765-0
Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Liq. 1 - H271	R5 O;R8 C;R35 Xn;R20/22
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
GLYCEROL	0.015%
CAS number: —	
Classification	
Not Classified	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB

General information	Get medical advice/attention if you feel unwell. Consult a physician for specific advice.
Inhalation	Get medical attention immediately. Move affected person to fresh air at once. Never give anything by mouth to an unconscious person.
Ingestion	Get medical attention immediately.
Eye contact	Continue to rinse for at least 15 minutes and get medical attention.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains and the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Container must be kept tightly closed when not in use. Do not store near heat sources or expose to high temperatures.

7.3. Specific end use(s)

Specific end use(s) Hand Sanitizer

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Short-term exposure limit (15-minute): WEL

HYDROGEN PEROXIDE SOLUTION 3%

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Clear liquid.
Odour	Characteristic.
Melting point	-114°C
Initial boiling point and range	78.5°C
Flash point	17°C Closed cup.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.3 % Upper flammable/explosive limit: 19 %
Vapour pressure	59.3 mm Hg @ 20°C
Relative density	.79 @ 20°C
Solubility(ies)	Completely soluble in water.
Auto-ignition temperature	363°C

9.2. Other information

Volatile organic compound Estimated value. This product contains a maximum VOC content of 700 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Strong oxidising agents. Acids.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Acids. Strong oxidising agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

SECTION 12: Ecological information

Ecotoxicity No information available.

WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1170
UN No. (IMDG)	1170
UN No. (ICAO)	1170
UN No. (ADN)	1170

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper shipping name (IMDG)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper shipping name (ICAO)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper shipping name (ADN)	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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

Transport labels



14.4. Packing group

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

WHO 1 FORMULATION ALCOHOL SANITISER HAND RUB

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

ADR transport category 3

Emergency Action Code •2Y

Hazard Identification Number 30
(ADR/RID)

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

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 21/04/2020

Revision 4

Supersedes date 13/04/2020

SDS number 23248

Hazard statements in full
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

DIRECTIONS FOR USE

PRODUCT LOGO