



 **MADE IN  
BRITAIN**



# Certified Medical Grade Hand Sanitiser

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## FAQs

### Is liquid hand sanitiser effective?

Hand sanitiser provides a convenient hand hygiene solution, which can kill up to 99.99% of bacteria. There are many benefits to using hand sanitiser, especially when soap and water is not available. Not only does the liquid hand sanitiser reduce your risk of infection, but you'll also be less likely to spread germs to others and reduce workplace absence. For these reasons liquid hand sanitiser is a great solution for businesses who want to keep their workforce safe.

### Does hand sanitiser kill viruses?

We often use hand sanitiser without giving much thought to how they actually work. Alcohol-based hand sanitiser kills many types of viruses by dissolving their fat membranes. Our medical grade hand sanitiser kills bacteria by disrupting its cell membrane. The percentage of alcohol present in the hand sanitiser is key to its effectiveness. Hand sanitisers with less than 60% alcohol will be less effective at killing microorganisms. The FDA recommends a concentration of 60% to 95% ethanol or isopropanol.

### Which is better? 80% Alcohol or 70% (or less)?

The WHO has recommended that a minimum of 60% alcohol is required to be effective. The European Centre for Disease Prevention and Control (ECDC) notes that alcohol-based disinfectants have been shown to significantly reduce infectivity of enveloped viruses such as SARS-CoV-2 in concentrations of 70%-80%. With so many unknowns around Covid-19 and how we, as businesses, should mitigate the risks,

we see providing your employees with the highest grade rub as an important step in showing your commitment to maximum protection. We also feel 80% alcohol demonstrates on a Health & Safety, Insurance and Public Liability level that you adhered to the maximum threshold laid out by the ECDC in the standards you set to ensure the well-being of staff and customers.

# Specification

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- Manufactured in the UK
- Certified to Surgical / Medical Grade.
- EN1276 & EN1500 & EN14476 certified.
- Active ingredients: Ethanol (80%), Glycerol (1.45%), Hydrogen Peroxide (0.125%)
- Meets WHO specifications
- Kills bacteria and protects against viruses without soap and water

## Technical Data

- CONTENT: Ethanol (80%), Glycerol (1.45%), Hydrogen Peroxide (0.125%)
- STANDARD: EN1500 & EN1276 PACKAGING
- 500ml Refill Bottles
- Country of Origin: UK

# MSDS Data Sheet

**MSDS Data Sheet Section 1:** Identification of the substance/mixture of the company/undertaking  
Product identifier Product name: WHO Recommended Hand rub Formulation Product code: 500ml  
Plastic Bottle Details of the supplier of the safety data sheet Company Name: Company Address  
Scotland, AB12 3SZ Company Tel: Company Email:

## **Section 2:** Product Formulation Production Formulation background

Our product follows the World Health Organisation's guide to local production of Hand rub Formulation. Full information can be found on the World Health Organisation's website ([https://www.who.int/gpsc/5may/Guide\\_to\\_Local\\_Production.pdf](https://www.who.int/gpsc/5may/Guide_to_Local_Production.pdf)). Ethanol: 80% (v/v) Glycerol: 1.45% (v/v) Hydrogen Peroxide: 0.1255% (v/v)

## **Section 3:** Safety

**Flammability** Hand rub dispensers should not be placed above or close to potential sources of ignition, such as light switches and electrical outlets, or next to oxygen or other medical gas outlets (because of the increased risk of vapours igniting).

**Label elements** Hazard statements: H226: Flammable liquid and vapour. Hazard pictograms: GHS02: Flame Signal words: Warning Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240: container and receiving equipment. 241: Use explosion-proof electrical/ventilating/lighting/.. equipment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370+378: In case of fire: Use to extinguish.

**Firefighting** Extinguishing media Extinguishing media

Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Special hazards arising from the substance or mixture Exposure hazards: Flammable. In combustion emits toxic fumes.

Forms explosive air-vapour mixture. Advice for fire-fighters Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**First aid** Skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Eye contact: Bathe the eye with running water for 15 minutes. Ingestion: Wash out mouth with water. Inhalation: Consult a doctor. Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and redness. Ingestion: There may be irritation of the throat. Inhalation: No symptoms.

**Section 4: Handling and storage** Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Section 5: Exposure control** Engineering measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Respiratory protection: Respiratory protection not required. Hand protection: Protective gloves. Eye protection: Safety glasses. Ensure eye bath is to hand. Skin protection: Protective clothing.

**Section 6: Stability and reactivity**

The product is stable under recommended transport and storage conditions. The product is chemically stable at room temperature Conditions to avoid: heat and hot surfaces, source of flames and ignition

**Section 7: Eco information**

The product is biodegradable and absorbs into soil. Section 8: Disposal guide Transfer to a suitable container and arrange for collection by specialised disposal company. Please follow local, regional or national regulations regarding disposal.

**Section 9: Transport**

UN number: UN1170 UN proper shipping name Shipping name: ETHANOL (ETHYL ALCOHOL)  
Transport hazard class(es) Transport class: 3 Packing group Packing group: II Environmental hazards  
Environmentally hazardous: No Marine pollutant: No Special precautions for user Special precautions:  
No special precautions. Tunnel code: D/E Transport category: 2

**Section 10: Regulatory Information** Our product follows the World Health Organisation's guide to local production of Hand rub Formulation in accordance with their Covid 19 outbreak advice to local production. Full information can be found on the World Health Organisation's website here.