

**MATERIAL SAFETY DATA SHEET (MSDS 00/99/EEC)**

**Alcohol Hand Rub**

Revision Date September 2005

**1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY :**

**1.1 Identification of the Preparation:**

Alcohol Hand Rub

**1.2 Company Identification:**

Guest Medical Limited, Unit A6, Larkfield Trading Estate, New Hythe Lane,  
Larkfield, Aylesford, Kent, ME20 6SW

Tel: 01622 791895 Fax: 01622 791895

**1.3 Emergency Telephone Number:**

01622 791895 / International +44 1622 791895

**2. COMPOSITION / INFORMATION ON INGREDIENTS :**

**2.1 Chemical Name:** Ethanol, Demin. water, Monopropylene glycol, Carbomer,  
Isopropyl myristate, Glycerine BP, Tocopheryl acetate

**2.2 Risk Phrases:** R10 : Flammable

**2.3 Classification/symbol:** Flammable

**3. HAZARDS IDENTIFICATION :**

Flammable

**4. FIRST AID MEASURES :**

**4.1 Eye Contact:** Wash eyes immediately with plenty of water,  
and continue for 15 minutes. Seek medical  
advice if irritation persists.

**4.2 Skin Contact:** Wash off any excess with water.

**4.3 Inhalation:** Remove exposed persons to fresh air.

**4.4 Ingestion:** Do not induce vomiting. Get affected person  
to drink plenty of water to dilute the swallowed  
material.

## **5. FIRE FIGHTING MEASURES :**

- 5.1 Special fire/explosion hazard:** Use extinguishing media suitable for surrounding fire.
- 5.2 Products of combustion:** Oxides of carbon.
- 5.3 Fire fighting procedures / extinguishing media:** Water, spray, fog or alcohol resistant foam.

## **6. ACCIDENTAL RELEASE MEASURES :**

- 6.1 Personal protection:** Eliminate all sources of ignition.
- 6.2 Environmental precautions:** Prevent material from entering water courses.
- 6.3 Methods of cleaning up:** Absorb on granular absorbent and sweep up for authorised disposal.

## **7. HANDLING AND STORAGE :**

- 7.1 Precautions during handling:** Keep away from heat, sparks and open flame.
- 7.2 Precautions during storage:** Keep in a cool dry, well ventilated store, away from heat, sparks and open flame.  
No smoking.
- 7.3 Packing materials:** Plastic bottles in cardboard cartons.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION :**

- 8.1 Special protective measures:**
- Respiratory:** No hazard if used as directed.  
Respiratory protection if there is a Risk of high vapour concentration.
- Hand:** No hazard if used as directed.  
PVC gloves otherwise.
- Eye:** No hazard if used as directed.  
Eye protection otherwise.
- Skin:** No hazard if used as directed.  
Protective clothing otherwise.
- 8.2 Exposure limits:** Ethanol TW (8 hrs) - 1000 ppm  
STEL (15 mins) - no standard

## **9. PHYSICAL AND CHEMICAL PROPERTIES :**

- 9.1 Physical state:** Hazy, slightly viscous liquid.
- 9.2 Odour:** Alcoholic
- 9.3 Temperature characteristics:** Boiling point: 78 deg. C.  
Freezing point: less than 0 deg. C.

<b>9.4</b>	<b>pH:</b>	7
<b>9.5</b>	<b>Solubility</b>	
	<b>In water:</b>	Completely miscible
	<b>In solvents:</b>	Miscible with oxygenated solvents
<b>9.6</b>	<b>Vapour pressure:</b>	Not determined.
<b>9.7</b>	<b>Density:</b>	0.85 – 0.88
<b>9.8</b>	<b>Flammability</b>	
	<b>Flash point:</b>	21 deg. C.
	<b>Auto ignition temperature:</b>	422 deg. C.
	<b>Flammable limits (ethanol):</b>	Lower : 4.3% Upper : 19%
<b>10.</b>	<b>STABILITY AND REACTIVITY:</b>	
<b>10.1</b>	<b>Stability:</b>	Stable under normal conditions for use.
<b>10.2</b>	<b>Conditions/materials to avoid:</b>	Strong oxidising agents.
<b>10.3</b>	<b>Decomposition temperature and Dangerous products released:</b>	100 deg. C. Oxides of carbon.
<b>11.</b>	<b>TOXICOLOGY INFORMATION :</b>	
<b>11.1</b>	<b>Toxicological data:</b>	
<b>11.2</b>	<b>Effects of exposure</b>	
	<b>Eyes:</b>	Irritation
	<b>Skin:</b>	Excessive exposure can result in slight irritation.
	<b>Inhalation:</b>	Prolonged exposure to high concentrations of vapour may cause Irritation to nose, throat and respiratory tract.
	<b>Ingestion:</b>	May cause internal injury.
<b>12.</b>	<b>BIOLOGICAL INFORMATION :</b>	
<b>12.1</b>	<b>Mobility:</b>	The product will dissolve rapidly in water. It is poorly absorbed into soils and sediments.
<b>12.2</b>	<b>Persistence and degradability:</b>	Completely biodegradable.
<b>12.3</b>	<b>Bio accumulative potential:</b>	Product is not expected to bio accumulate
<b>13.</b>	<b>DISPOSAL CONSIDERATIONS :</b>	
<b>13.1</b>	<b>Disposal of product:</b>	By incineration.
<b>13.2</b>	<b>Disposal of packaging:</b>	Empty uncapped containers – by incineration or landfill.
<b>14.</b>	<b>TRANSPORTATION INFORMATION :</b>	
<b>14.1</b>	UN No:	1170
<b>14.2</b>	UK road Classification:	Flammable
	Packing Group:	II
<b>14.3</b>	RID-ADR Class:	3

**15. REGULATORY INFORMATION :**

**15.1 Chemicals (Hazard Information and Packaging)**

**Regulations 1994:**

EINECS No.	Not applicable
Index No.	Not applicable
Risk phases	R10 – flammable
Safety Phrases: S2	Keep away from children
	S7/9 Keep container tightly closed and in a well ventilated area.
	S16 Keep away from sources of Ignition – No Smoking

Classification/  
Symbol

Flammable

**15.2 Exposure limits:**

Ethanol : TWA (8 hrs) : 1000 ppm

**16. OTHER INFORMATION :**

**16.1 Recommended uses:**

As a disinfectant hand rub.

**16.2 Sources of data used  
to compile Data Sheet:**

Suppliers' data sheets

**16.3 Sections revised:**

None

The information contained herein is based on data considered to be accurate as of the date of preparation of the Material Safety Data Sheet. However, no warranty of representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.



FLAMMABLE

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