



SAFETY DATA SHEET

Product Name:	Surgical Hand Gel	SDS Reference	BHS016a
Version No. 2	Initial issue date July 6 th , 2016	Revision date	2-11-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Surgical Hand Gel

1.1 Product Identifier

BG005 - 5 Litre Refill - 4 Units Per Box
BG1000NEP - 1 Litre Neptune Cartridge - 6 Units Per Box
BG1000BAG - 1 Litre Refill Bag - 6 Units Per Box
BG1000 - 1 Litre Elbow Operated Cartridge Refill - 2 Units Per Box
BGP500 - 500ml Pump Action Bottle - 6 Units Per Box
BGF250 - 250ml Flip Top Bottle - 12 Units Per Box
BGP250 - 250ml Pump Action Bottle - 12 Units Per Box
BGF100 - 100ml Flip Top Bottle - 25 Units Per Box
BG050 - 50ml Tottle Bottle - 20 Units Per Box
BG050R - 50ml Tottle Bottle with Reel - 20 Units Per Box

1.2 Relevant Use(s)/misuse(s)

Hand Sanitiser Gel.

1.3 SDS Supplier

Bioguard Hygiene Solutions Ltd.

Telephone: +44(0)1604 592048

1.3.1 Manufacturer

Bioguard Hygiene Solutions Ltd.
64a St James Mill Rd
St James
Northampton NN5 5JP

Fax No: +44(0)1604 583854

Competent Person e-mail:
trevor@rising-hsande.co.uk

1.4 Emergency Telephone

+44(0)1604 592048 (office hours)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 2 H336

2.1.2 Additional information

See section 16 for full text of H statements

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):



Signal word

DANGER

Hazard statement(s)

H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR.
H319 CAUSES SERIOUS EYE IRRITATION.
H336 MAY CAUSE DROWSINESS OR DIZZINESS.



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2. HAZARDS IDENTIFICATION

Precautionary statement(s)	P210	KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING.
	P261	AVOID BREATHING FUME, GAS, MIST, VAPOURS, SPRAY
	P280	WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
	P305+351+338	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
	P312	CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.
P501	DISPOSE OF CONTENTS/CONTAINER TO HAZARDOUS OR SPECIAL WASTE COLLECTION SITE IN ACCORDANCE WITH LOCAL / REGIONAL / NATIONAL OR INTERNATIONAL REGULATIONS	
2.3 OTHER HAZARDS	THE PREPARATION CONTAINS SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT (WEL)	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation MIXTURE OF ORGANIC SUBSTANCES

Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
ETHANOL	64-17-5	200-578-6	Flam. Liq. 2 H225	<10%
PROPAN-2-OL	67-63-0	200-661-7	Flam. Liq. 2 H225; Eye Irrit. 2 H319; STOT SE 3 H336	>70%
PROPAN-1-OL	71-23-8	200-746-9	Flam. Liq. 2 H225; Eye Dam. 1 H318; STOT SE 3 H336	<1.0%

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation	Remove casualty to fresh air. If necessary, seek medical advice.
Skin contact	Immediately clean areas affected with soap and plenty of water. If necessary, seek medical advice
Eye contact	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist.
Ingestion	If product is swallowed, do NOT induce vomiting. If conscious, drink plenty of water. If necessary, Seek medical advice.

4.2 Most important effects/symptoms None known.

4.3 Immediate/special treatment Treatment as described above.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder) Do not use strong water jets
5.2 Special hazards	Avoid run-off water entering the drains (e.g. use barriers)
5.3 Advice for fire fighters	Wear self-contained breathing. Cool containers with water spray.



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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Use suitable protective equipment (see section 8). Keep away from sources of ignition - no smoking!
6.2 Environmental precautions	Do not allow to get into waste water or waterways in large quantities; if this occurs, inform the relevant water authority at once.
6.3 Methods and materials for cleaning up	Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed. Use spark-free tools.
6.4 Reference to other sections	See section 8 for personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Handle in accordance with good hygiene and safety practice. Keep away from sources of ignition - no smoking!
7.2 Conditions for safe storage	Keep containers closed, cool, dry and away from heat
7.3. Specific end use(s)	Surface disinfectant

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2011)

LTTEL (8 hour TWA):	1000	ppm	1920	mg/m ³	Data for ethanol
LTTEL (8 hour TWA):	200	ppm	500	mg/m ³	Data for 1-propanol
STEL (15 min):	500	ppm	1250	mg/m ³	Data for 1-propanol
LTTEL (8 hour TWA):	400	ppm	999	mg/m ³	Data for 2-propanol
STEL (15 min):	500	ppm	1250	mg/m ³	Data for 2-propanol

8.2 Exposure controls

Engineering controls	Provide adequate ventilation (e.g. local exhaust ventilation).
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles if risk of eye contamination.
Skin protection	Impervious gloves (but consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator (e.g. EN 149:2001 P2 or P3) only if ventilation is insufficient.
Other protection	Protective overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form	Gel
Colour	Clear
Odour	Strongly alcoholic
Odour threshold	Not determined
pH	Not applicable
Boiling pt / range	78.5 °C

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9. PHYSICAL AND CHEMICAL PROPERTIES

Melting pt / range	-114 °C
Flash point	Approx. 21 °C (estimated)
Flammability	Not applicable
Thermal decomposition	Not applicable
Evaporation rate	Not applicable
Explosion limits	Lower: 3.3 vol%; upper: 19 vol% (data for ethanol)
Auto-ignition temperature	Not applicable
Decomposition temp.	Not applicable
Relative density	0.75-0.8
Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	Miscible
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log_{Oct/water}	Not determined
9.2 Other information	None known.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Hazardous polymerisation will not occur
10.2 Chemical stability	Stable under normal conditions of handling.
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	Avoid heat, flames, sparks and other sources of ignition,
10.5 Incompatible material	Oxidising agents.
10.6 Hazardous decomposition products	Oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	mg/kg	No data available
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available. May cause eye irritation.		
Further information	Vapours may cause respiratory irritation, and drowsiness or dizziness.		

12. ECOLOGICAL INFORMATION

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12.1 Toxicity	LC ₅₀	Aquatic organisms	mg/l	No data available
12.2 Degradability	Not determined.			
12.3 Bioaccumulative potential	Not determined			
12.4 Mobility in soil	Not determined			
12.5 PBT/vPvB assessment	Not determined			
12.6 Other adverse effects	None known.			

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures

Advice on disposal	If possible, recycle to supplier or approved recycling company. If not (e.g. designated as waste), dispose of in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product: if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

14.1 United Nations number (ADR, IMDG, IATA)	UN 1219
14.2 Proper shipping name (ADR, IMDG, IATA)	FLAMMABLE LIQUID, N O S (PROPANOL-2-OL; ETHANOL)
14.3 Transport class(s) (ADR, IMDG, IATA)	3
14.4 Packing group (ADR, IMDG, IATA)	III
14.5 Environmental hazards (ADR, IMDG, IATA)	The product should NOT be marked as a marine pollutant.
14.6 Special procedures (ADR, IMDG, IATA)	Not applicable
14.7 Transport in bulk (ADR, IMDG, IATA)	Not applicable



15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
15.2 Chemical safety assessment	Not applicable

16. OTHER INFORMATION



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16. OTHER INFORMATION

Further information

Hazard statements referred to in sections 2/3

H225: Highly flammable liquid and vapour.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Sources of data

Other suppliers' safety data sheets, EH40(2011), ECHA C&L Inventory

Date of issue

02-11-2016

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Safety data sheet prepared by Rising HS&E Services.