



SAFETY DATA SHEET

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|----------------------|---|----------------------|-----------|
| Product Name: | Hypaclean Alcohol 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

| | | | |
|--------------------------------------|--|---|---|
| 1.1 Product Identifier | Hypaclean Alcohol Hand Gel – Product Code M6851FT | | |
| 1.2 Relevant Use(s)/misuse(s) | Hand sanitiser gel. | | |
| 1.3 SDS Supplier | Bioguard Hygiene Solutions Ltd. | | |
| 1.3.1 Manufacturer | Bioguard Hygiene Solutions Ltd. 64a St James Mill Rd St James Northampton NN5 5JP | Telephone: +44(0)1604 592048 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.

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

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|----------------------|-----------------------------------|-----------------|---------|
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|----------------------|-----------------------------------|-----------------|---------|

2. HAZARDS IDENTIFICATION

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. |

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. |

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|----------------------|-----------------------------------|-----------------|---------|
| Product Name: | Hypaclean Alcohol Hand Gel | SDS Ref. | BHS016a |
|----------------------|-----------------------------------|-----------------|---------|

6. ACCIDENTAL RELEASE MEASURES

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)

| | | | | | |
|--------------------|------|-----|------|-------------------|---------------------|
| LTEL (8 hour TWA): | 1000 | ppm | 1920 | mg/m ³ | Data for ethanol |
| LTEL (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 |
| LTEL (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 | |
| Melting pt / range | -114 | °C | |
| Flash point | Approx. 21 | °C | (estimated) |
| Flammability | Not applicable | | |
| Thermal decomposition | Not applicable | | |
| Evaporation rate | Not applicable | | |

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9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|--|
| 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

| | | | | |
|---------------------------------------|------------------|-------------------|------|-------------------|
| 12.1 Toxicity | LC ₅₀ | Aquatic organisms | mg/l | No data available |
| 12.2 Degradability | Not determined. | | | |
| 12.3 Bioaccumulative potential | Not determined | | | |

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12. ECOLOGICAL INFORMATION

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|----------------------------|----------------|
| 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

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|--|---|
| 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) | II |
| 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

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. |

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|------------------------|---|
| Sources of data | Other suppliers' safety data sheets, EH40(2011), ECHA C&L Inventory |
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16. OTHER INFORMATION

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.