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

1.1 Product Identifier
Hypaclean Alcohol Hand Gel – Product Code M6852PM

1.2 Relevant Use(s)/misuse(s)
Hand sanitiser gel.

1.3 SDS Supplier
RS Components Ltd,
Birchington Road, Corby, Northants, NN17 9RS
Tel: +44 (0) 1536 402888  Fax: +44 (0) 1536 401588
E-mail: RCustomerServicesUK@rs-components.com

1.4 Emergency Telephone
+44 (0) 1536 402888 (8.00 am to 8.00 pm).

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):

\[\text{Signal word} \quad \text{DANGER}\]

<table>
<thead>
<tr>
<th>Hazard statement(s)</th>
<th>Precautionary statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR.</td>
<td>P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING.</td>
</tr>
<tr>
<td>H319 CAUSES SERIOUS EYE IRRITATION.</td>
<td>P261 AVOID BREATHING FUME, GAS, MIST, VAPOURS, SPRAY</td>
</tr>
<tr>
<td>H336 MAY CAUSE DROWSINESS OR DIZZINESS.</td>
<td>P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.</td>
</tr>
<tr>
<td>P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINISING.</td>
<td>P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.</td>
</tr>
<tr>
<td>P501 DISPOSE OF CONTENTS/CONTAINER TO HAZARDOUS OR SPECIAL WASTE COLLECTION SITE IN ACCORDANCE WITH LOCAL / REGIONAL / NATIONAL OR INTERNATIONAL REGULATIONS</td>
<td></td>
</tr>
</tbody>
</table>
Product Name: Hypaclean Alcohol Hand Gel

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

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

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.
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)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limitation</th>
<th>Concentration</th>
<th>LTEL (8 hour TWA)</th>
<th>STEL (15 min):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td></td>
<td></td>
<td>1000 ppm</td>
<td>500 ppm</td>
</tr>
<tr>
<td>1-Propanol</td>
<td></td>
<td></td>
<td>1920 mg/m³</td>
<td>1250 mg/m³</td>
</tr>
<tr>
<td>2-Propanol</td>
<td></td>
<td></td>
<td>999 mg/m³</td>
<td>1250 mg/m³</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical form</td>
<td>Gel</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear</td>
</tr>
<tr>
<td>Odour</td>
<td>Strongly alcoholic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling pt / range</td>
<td>78.5 ºC</td>
</tr>
<tr>
<td>Melting pt / range</td>
<td>-114 ºC</td>
</tr>
<tr>
<td>Flash point</td>
<td>Approx. 21 ºC     (estimated)</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion limits</td>
<td>Lower: 3.3 vol%; upper: 19 vol% (data for ethanol)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temp.</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.75-0.8</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Miscible</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition coeff. $\log_{Oct/\text{water}}$</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity LD$_{50}$ rat (oral)</td>
<td>mg/kg</td>
</tr>
<tr>
<td>Dermal compatibility</td>
<td>No data available</td>
</tr>
<tr>
<td>Mucous membrane compatibility</td>
<td>No data available. May cause eye irritation.</td>
</tr>
<tr>
<td>Further information</td>
<td>Vapours may cause respiratory irritation, and drowsiness or dizziness.</td>
</tr>
</tbody>
</table>

### 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
**Product Name:** Hypaclean Alcohol Hand Gel  
**SDS Ref.** BHS016a

### 12. ECOLOGICAL INFORMATION

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)  
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.

Sources of data  
Other suppliers’ safety data sheets, EH40(2011), ECHA C&L Inventory
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.