SAFETY DATA SHEET
Alcohol Based Hand Sanitizer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name  Alcohol Based Hand Sanitizer
Product number  BHS001

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses  Hand Sanitizer.

1.3. Details of the supplier of the safety data sheet
Supplier  Innova Solutions Limited
          Lower Draught Gates Farm
          Trawden
          Lancashire
          BB8 8PW

          01282867390
          info@innovasolutions.co.uk

1.4. Emergency telephone number
Emergency telephone 01282867390
National emergency telephone number  National Poisons Information Service
For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)
If you are a healthcare professional with an enquiry please visit www.TOXBASE.org

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards  Flam. Liq. 2 - H225
Health hazards  Not Classified
Environmental hazards  Not Classified

2.2. Label elements
Hazard pictograms
Alcohol Based Hand Sanitizer

Signal word
Danger

Hazard statements
H225 Highly flammable liquid and vapour.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P243 Take action to prevent static discharges.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.

Supplementary precautionary statements
P233 Keep container tightly closed.
P242 Use non-sparking tools.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
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<tbody>
<tr>
<td>ethanol</td>
<td>75-85%</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>01-2119457610-43-XXXX</td>
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<tr>
<td>Classification</td>
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<td>Flam. Liq. 2 - H225</td>
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<tr>
<td>Glycerol</td>
<td>1-5%</td>
<td>56-81-5</td>
<td>200-289-5</td>
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<tr>
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<tr>
<td>hydrogen peroxide solution</td>
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<td>7722-84-1</td>
<td>231-765-0</td>
<td>01-2119485845-22-XXXX</td>
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<td>Acute Tox. 4 - H302</td>
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<td>Acute Tox. 4 - H332</td>
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<td>Eye Dam. 1 - H318</td>
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<td></td>
</tr>
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<td></td>
<td>STOT SE 3 - H335</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Aquatic Chronic 3 - H412</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments
All percentages displayed expressed as volume/volume.

SECTION 4: First aid measures
Alcohol Based Hand Sanitizer

4.1. Description of first aid measures

Inhalation  Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion  Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical advice/attention if you feel unwell.

Skin contact  Rinse with water.

Eye contact  Rinse with water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information  May cause irritation. Dizziness. Nausea, vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor  No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media  The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards  Flammable liquid and vapour. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Fire-water run-off in sewers may create fire or explosion hazard.

Hazardous combustion products  Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting  Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. Do not allow material to enter confined spaces, due to the risk of explosion. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters  Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions  Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.

6.2. Environmental precautions
Alcohol Based Hand Sanitizer

Environmental precautions
Do not allow material to enter confined spaces, due to the risk of explosion. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Vapours may form explosive mixtures with air. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene
Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class
Flammable liquid storage.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ethanol
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Glycerol
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

hydrogen peroxide solution
Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³
WEL = Workplace Exposure Limit
Alcohol Based Hand Sanitizer

**ethanol (CAS: 64-17-5)**

| DNEL | Industry - Inhalation; Short term local effects: 1900 mg/m³  
| | Industry - Inhalation; Long term systemic effects: 950 mg/m³  
| | Industry - Dermal; Long term systemic effects: 343 mg/kg/day  
| | Consumer - Inhalation; Short term local effects: 950 mg/m³  
| | Consumer - Inhalation; Long term systemic effects: 114 mg/m³  
| | Consumer - Dermal; Long term systemic effects: 206 mg/kg/day  
| | Consumer - Oral; Long term systemic effects: 87 mg/kg/day  
| PNEC | - Fresh water; 960 µg/l  
| | - marine water; 790 µg/l  
| | - Sediment (Freshwater); 3.6 mg/kg  
| | - Sediment (Marine water); 2.9 mg/kg  
| | - Soil; 0.63 mg/kg  

**Glycerol (CAS: 56-81-5)**

| DNEL | Workers - Inhalation; Long term local effects: 56 mg/m³  
| | General population - Inhalation; Long term local effects: 33 mg/m³  
| | General population - Oral; Long term systemic effects: 229 mg/kg  
| PNEC | - Fresh water; 0.885 mg/l  
| | - marine water; 0.0885 mg/l  
| | - Intermittent release; 8.85 mg/l  
| | - Sediment (Freshwater); 3.3 mg/kg  
| | - Sediment (Marine water); 0.33 mg/kg  
| | - Soil; 0.141 mg/kg  
| | - STP; 1000 mg/l  

**hydrogen peroxide solution (CAS: 7722-84-1)**

| DNEL | Workers - Inhalation; Short term local effects: 3 mg/m³  
| | Workers - Inhalation; Long term local effects: 1.4 mg/m³  
| | Consumer - Inhalation; Short term local effects: 1.93 mg/m³  
| | Consumer - Inhalation; Long term local effects: 0.21 mg/m³  
| PNEC | - Fresh water; 0.0126 mg/l  
| | - marine water; 0.0126 mg/l  
| | - Soil; 0.0023 mg/kg  
| | - STP; 4.66 mg/l  
| | - Sediment (Freshwater); 0.047 mg/kg  
| | - Sediment (Marine water); 0.047 mg/kg  
| | - Intermittent release; 0.0138 mg/l  

8.2. Exposure controls

**Protective equipment**

- Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.
Alcohol Based Hand Sanitizer

Eye/face protection
Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls
Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.

Colour
Colourless.

Odour
Alcoholic.

Odour threshold
No information available.

pH
No information available.

Melting point
No information available.

Initial boiling point and range
No information available.

Flash point
~ 20°C Not specified. Data taken from tables.

Evaporation rate
No information available.

Evaporation factor
No information available.

Flammability (solid, gas)
No information available.

Upper/lower flammability or explosive limits
No information available.

Other flammability
No information available.

Vapour pressure
No information available.

Vapour density
No information available.

Relative density
No information available.

Bulk density
No information available.

Solubility(ies)
Soluble in water.

Partition coefficient
Not applicable.

Auto-ignition temperature
No information available.

Decomposition Temperature
No information available.

Viscosity
No information available.

Explosive properties
Not considered to be explosive.
Alcohol Based Hand Sanitizer

Oxidising properties

The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

Vapours may form explosive mixtures with air.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

The following materials may react strongly with the product: Oxidising agents. Strong acids.

10.4. Conditions to avoid

Conditions to avoid

Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Materials to avoid

Oxidising materials. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information on ingredients:

ethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

10,470.0

Species

Rat

ATE oral (mg/kg)

10,470.0

Acute toxicity - Inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l)

116.9

Species

Rat

ATE inhalation (vapours mg/l)

116.9

Skin corrosion/irritation

Not irritating.

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Alcohol Based Hand Sanitizer

**Serious eye damage/irritation**
Not irritating.

**Skin sensitisation**
Not sensitising.

**Germ cell mutagenicity**
Gene mutation: Negative.

**Genotoxicity - in vitro** Chromosome aberration: Inconclusive.

**Carcinogenicity**
NOAEL >3000 mg/kg, Oral, Rat

**Reproductive toxicity**
No evidence of reproductive toxicity in animal studies.

**Specific target organ toxicity - single exposure**
Data lacking.

**Specific target organ toxicity - repeated exposure**
Conclusive data but not sufficient for classification.

**Aspiration hazard**
Conclusive data but not sufficient for classification.

**Glycerol**

**Toxicological effects**
Not regarded as a health hazard under current legislation.

**Acute toxicity - oral**

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<tr>
<th>Acute toxicity oral (LD₅₀ mg/kg)</th>
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<tbody>
<tr>
<td>Species</td>
<td>Guinea pig</td>
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<tr>
<td>Notes (oral LD₅₀)</td>
<td>Based on available data the classification criteria are not met.</td>
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<tr>
<td>ATE oral (mg/kg)</td>
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</table>

**Acute toxicity - dermal**

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<tr>
<th>Acute toxicity dermal (LD₅₀ mg/kg)</th>
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</thead>
<tbody>
<tr>
<td>Species</td>
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<tr>
<td>Notes (dermal LD₅₀)</td>
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<td>ATE dermal (mg/kg)</td>
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</tr>
</tbody>
</table>

**Acute toxicity - inhalation**

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<tr>
<th>Notes (inhalation LC₅₀)</th>
<th>Based on available data the classification criteria are not met.</th>
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</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not irritating.</td>
</tr>
</tbody>
</table>
Alcohol Based Hand Sanitizer

Serious eye damage/irritation
Not irritating.

Respiratory sensitisation
Not determined.

Skin sensitisation
Not determined.

Germ cell mutagenicity

Genotoxicity - in vitro
Negative.

Carcinogenicity
Conclusive data but not sufficient for classification.

Reproductive toxicity
Conclusive data but not sufficient for classification.

Reproductive toxicity - fertility
Conclusive data but not sufficient for classification.

Reproductive toxicity - development
Conclusive data but not sufficient for classification.

Specifíc target organ toxicity - single exposure
Conclusive data but not sufficient for classification.

STOT - single exposure
Conclusive data but not sufficient for classification.

Specific target organ toxicity - repeated exposure
Conclusive data but not sufficient for classification.

STOT - repeated exposure
Conclusive data but not sufficient for classification.

Aspiration hazard

hydrogen peroxide solution

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 602.0

Species Rat

ATE oral (mg/kg) 602.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

Skin corrosion/irritation

Skin corrosion/irritation Corrosive to skin. Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.
Alcohol Based Hand Sanitizer

Respiratory sensitisation
No data available.

Skin sensitisation

Skin sensitisation
Conclusive data but not sufficient for classification.

Germ cell mutagenicity

Genotoxicity - in vitro
Conclusive data but not sufficient for classification.

Genotoxicity - in vivo
Conclusive data but not sufficient for classification.

Carcinogenicity

Carcinogenicity
Conclusive data but not sufficient for classification.

Reproductive toxicity

Reproductive toxicity - fertility
Conclusive data but not sufficient for classification.

Reproductive toxicity - development
Conclusive data but not sufficient for classification.

Specific target organ toxicity - single exposure

STOT - single exposure
STOT SE 3 - H335 Respiratory system irritation.

Target organs
Respiratory tract

Specific target organ toxicity - repeated exposure

STOT - repeated exposure
Conclusive data but not sufficient for classification. LOAEL 0.0029 mg/l, Inhalation, Rat NOAEL 26 mg/kg/day, Oral, Rat

Aspiration hazard
No data available.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Summary
Not available.

Ecological information on ingredients.

ethanol

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates
LC₅₀, 48 hour: 5012 mg/l, Ceriodaphnia dubia.

Acute toxicity - aquatic plants
EC₅₀, 72 hour: 275 mg/l, Chlorella vulgaris.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates
NOEC, 9 day: 9.6 mg/l, Daphnia magna

Glycerol

Toxicity
Based on available data the classification criteria are not met.
Alcohol Based Hand Sanitizer

Acute aquatic toxicity
Acute toxicity - fish
\( LC_{50}, 96 \text{ hour}: 885 \text{ mg/l, } Pimephales \text{ promelas (Fat-head Minnow)} \)
\( LC_{50}, 96 \text{ hour}: 54000 \text{ mg/l, Oncorhynchus mykiss (Rainbow trout)} \)
Acute toxicity - aquatic invertebrates
\( LC_{50}, 48 \text{ hour}: 1955 \text{ mg/l, Daphnia magna} \)

**hydrogen peroxide solution**

Toxicity
Aquatic Chronic 3 - H412

Acute aquatic toxicity
Acute toxicity - fish
\( LC_{50}, 96 \text{ hour}: 16.4 \text{ mg/l, Pimephales promelas (Fat-head Minnow)} \)
Acute toxicity - aquatic invertebrates
\( LC_{50}, 48 \text{ hour}: 2.4 \text{ mg/l, Daphnia magna} \)

Acute toxicity - aquatic plants
\( EC_{50}, 0.5 \text{ hour}: 466 \text{ mg/l, Activated sludge} \)

Chronic aquatic toxicity
Chronic toxicity - aquatic invertebrates
\( NOEC, 21 \text{ day}: 0.63 \text{ mg/l, Daphnia magna} \)

12.2. Persistence and degradability

Persistence and degradability
The product contains inorganic substances which are not biodegradable. The other substances in the product are expected to be readily biodegradable.

Ecological information on ingredients.

**ethanol**

Persistence and degradability
The substance is readily biodegradable.

Glycerol

Persistence and degradability
The product is readily biodegradable.

**hydrogen peroxide solution**

Persistence and degradability
Substance is inorganic.

12.3. Bioaccumulative potential

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

Partition coefficient
Not applicable.

Ecological information on ingredients.

**ethanol**

Bioaccumulative potential
Bioaccumulation is unlikely.
Alcohol Based Hand Sanitizer

Partition coefficient  log Kow: -0.31  
Glycerol

Partition coefficient  log Pow: -1.75  
hydrogen peroxide solution

Partition coefficient  Kow: -1.57  Calculation method.

12.4. Mobility in soil

Mobility  The product is soluble in water.

Ecological information on ingredients.
ethanol

Mobility  Soluble in water.
Glycerol

Mobility  The product is water-soluble and may spread in water systems.
hydrogen peroxide solution

Henry's law constant  0.001 Pa m³/mol @ 20°C
Surface tension  80.4 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB  This product does not contain any substances classified as PBT or vPvB.
assessment

Ecological information on ingredients.
ethanol

Results of PBT and vPvB  This substance is not classified as PBT or vPvB according to current EU criteria.
assessment  
Glycerol

Results of PBT and vPvB  This product does not contain any substances classified as PBT or vPvB.
assessment  
hydrogen peroxide solution

Results of PBT and vPvB  This substance is not classified as PBT or vPvB according to current EU criteria.
assessment  

12.6. Other adverse effects

Other adverse effects  Not known.

Ecological information on ingredients.
Glycerol

Other adverse effects  None known.
Alcohol Based Hand Sanitizer

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods
Do not empty into drains. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

14.1. UN number

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<tr>
<td>UN No. (ICAO)</td>
<td>1993</td>
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<td>UN No. (ADN)</td>
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14.2. UN proper shipping name

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<td>FLAMMABLE LIQUID, N.O.S. (CONTAINS ethanol)</td>
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<tr>
<td>Proper shipping name (ICAO)</td>
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<tr>
<td>Proper shipping name (ADN)</td>
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14.3. Transport hazard class(es)

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<tr>
<td>IMDG class</td>
<td>3</td>
</tr>
<tr>
<td>ICAO class/division</td>
<td>3</td>
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<tr>
<td>ADN class</td>
<td>3</td>
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Transport labels

14.4. Packing group

<table>
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<tr>
<td>IMDG packing group</td>
<td>II</td>
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</table>
Alcohol Based Hand Sanitizer

ICAO packing group  II
ADN packing group  II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS  F-E, S-E
ADR transport category 2
Emergency Action Code •3YE
Hazard Identification Number (ADR/RID) 33
Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations
Health and Safety at Work etc. Act 1974 (as amended).

EU legislation

Seveso Directive - Control of major accident hazards
P5c Lower-tier 5000 tonnes Upper-tier 50000 tonnes.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information
Alcohol Based Hand Sanitizer

Abbreviations and acronyms used in the safety data sheet
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms
Flam. Liq. = Flammable liquid

Classification procedures according to Regulation (EC) 1272/2008

Training advice
Only trained personnel should use this material.

Revision date
25/03/2020

Revision
1

SDS number
7441

Hazard statements in full
H225 Highly flammable liquid and vapour.
H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.