



# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION of SUBSTANCE

**Product Name:** Benchmark Shield Hand Sanitiser

**Revision Date:** 16 April 2020

**Other Names:** Hand Sanitiser

**Organisation**

Star Hygiene

**Location**

Unit 1, 41 Whyalla Place  
Prestons, NSW, 2170  
AUSTRALIA

**Telephone**

02 9959 2349  
1800 HYGIENE

**Poisons Information Centre - Australia** 13 11 26

**CHEMCALL AUSTRALIA** 1800 127 406

## 2. HAZARD IDENTIFICATION

Hazardous according to criteria of Safe Work Australia



**Signal Word**

Warning

**Hazard Classifications**

Flammable Liquids - Category 3

Serious Eye Damage/Irritation - Category 2A

**Hazard Statements**

H226 Flammable liquid and vapour

H319 Causes serious eye irritation

**Prevention Precautionary Statements**

P102 Keep out of reach of children

P103 Read label before use

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed

P242 Use only non-sparking tools

**Response Precautionary Statements**

P101 If medical advice is needed, have product container or label at hand.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P314 If eye irritation persists: Get medical advice/attention

P370+P379 In case of fire: Use (insert appropriate media) for extinction

**Storage Precautionary Statement**

P403+P235 Store & use in a well-ventilated place. Keep cool

**Disposal Precautionary Statement**

P501 Dispose of contents/container in accordance with local, regional, national and international regulations

**Poision Schedule:**

S5. Caution

**DANGEROUS GOOD CLASSIFICATION**

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Dangerous Goods Class:**

Class 3

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No.	%
Ethanol	64-17-5	76 (w/w)
Non-hazardous ingredients		24 (w/w)

There are no other ingredients in this product, which within the current knowledge of the supplier in the concentration present in this product, are classified as hazardous to either health or the environment, that would require reporting in this section.

**4. FIRST AID MEASURES**

If poisoning occurs from drinking contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation**

No such emergency care anticipated. No such incidents reported.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Skin Contact:**

No emergency care is anticipated. No such incidents were reported. If irritation occurs discontinue using the product. Seek medical advice immediately.

**Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Medical Attention:**

Treat symptomatically.

**5. FIRE FIGHTING MEASURES****Hazchem Code:**

•3Y

**Specific Hazards:**

Flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Firefighting further advice:**

Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

**Suitable extinguishing media:**

If material is involved in a fire use alcohol resistant foam or dry agent (CO<sub>2</sub>, dry chemical powder).

**6. ACCIDENTAL RELEASE MEASURES****SMALL SPILLS**

Eliminate all sources of ignition. Wear protective equipment to prevent eye contamination. Avoid inhalation of vapour. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

**LARGE SPILLS**

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods – Initial Emergency Response Guide No:**

14

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Avoid eye contact. Avoid inhalation of vapour

### Conditions for safe storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use. This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations. This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

	TWA		STEL		NOTICES	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>		
Ethyl Alcohol	1000	1880	-	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

### Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

### Engineering Measures:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

### Personal Protection Equipment:

No special PPE required for individual retail packs

**Hygiene measures:**

Keep away from food, drink and animal feeding stuffs when hands are wet with the product, but once they are dry proceed as normal. When using do not eat, drink or smoke. Avoid eye contact. Avoid inhalation of vapour.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical Values only

<b>Base Units:</b>	Litres
<b>Colour:</b>	Clear gel
<b>Odour:</b>	Alcoholic odour
<b>Solubility in water:</b>	Completely soluble
<b>Specific Gravity (20 °C):</b>	0.63 - 1.03
<b>Vapour Pressure (20 °C):</b>	Approx. 44 mm Hg at 25°C
<b>Flash Point (°C):</b>	44 °C (Abel closed cup)
<b>Flammability Limits (%):</b>	No data available
<b>Auto ignition Temperature (°C):</b>	No data available
<b>Boiling Point/Range (°C):</b>	78-100 °C
<b>pH:</b>	5.5 - 6.5

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	This material is thermally stable when stored and used as directed.
<b>Conditions to avoid:</b>	Elevated temperatures and sources of ignition.
<b>Incompatible Materials:</b>	Oxidising agents.
<b>Hazardous Decomposition Products</b>	Oxides of carbon and nitrogen, smoke & other toxic fumes.
<b>Hazardous Reactions:</b>	No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Acute effects**

<b>Inhalation:</b>	Material may be an irritant to mucous membranes and respiratory tract.
<b>Skin Contact:</b>	Contact with skin may result in slight irritation to some sensitive persons. Do not use internally or if skin is broken.
<b>Ingestion:</b>	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
<b>Eye Contact:</b>	An eye irritant.

**Acute Toxicity**

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**Skin Contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: Non corrosive and not irritating.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has not been classified as a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

**Chronic Toxicity**

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):**  
This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):**  
This material has been classified as non-hazardous.

**12. ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K<sub>ow</sub> < 4.

**Ecotoxicity:** No information available.

**Mobility:** No information available.

**Persistence and degradability:** No information available.

**Bio accumulative potential:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



<b>UN No:</b>	1993
<b>Dangerous Goods Class:</b>	3
<b>Packing Group:</b>	III
<b>Hazchem Code:</b>	•3Y
<b>Emergency Response Guide No:</b>	14
<b>Proper Shipping Name:</b>	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

### Segregation Dangerous Goods:

Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



<b>UN No:</b>	1993
<b>Dangerous Goods Class:</b>	3
<b>Packing Group:</b>	III
<b>Proper Shipping Name:</b>	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

**AIR TRANSPORT**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)  
Dangerous Goods Regulations for transport by air.



<b>UN No:</b>	1993
<b>Dangerous Goods Class:</b>	3
<b>Packing Group:</b>	III
<b>Proper Shipping Name:</b>	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

**15. REGULATORY INFORMATION****This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material/constituent(s) is covered by the following requirements:**

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

**16. OTHER INFORMATION****Supplier of Material Safety Data Sheet:**

Star Hygiene  
Unit 1, 41 Whyalla Place  
PRESTONS, NSW 2170  
AUSTRALIA

*This MSDS summarises Benchmark Shield's best knowledge of the health and safety hazard information of the specific substance and uses described in it, as at the date of issue. The information it contains is given for safety guidance purposes and relates only to the specific substance and uses described in it. Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances. All substances may present unknown hazards and should be used with caution. Benchmark Shield expressly disclaims any liability for loss or damage resulting from the use of any data, information or recommendations set out in this Material Safety Data Sheet.*