

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier **Hand Sanitiser Spray**

Manufacturer Formula Code 8541

Recommended Use Hand Sanitiser

Details of Supplier/Manufacturer

| | | |
|----------|--|---------------------|
| Company: | My Life My Health Compounding ABN: 99608540245 | |
| Address: | 155-157 Wickham Terrace Brisbane QLD 4000 | |
| Phone: | (07) 3832 2888 | Fax: (07) 3831 5839 |
| Website: | www.mlmh.com.au | |



Emergency Telephone Numbers

| | | |
|----------------------|---------------------|---------------------------|
| Business Hours: | (07) 3832 2888 | |
| Poisons Information: | Australia: 13 11 26 | New Zealand: 0800 764 766 |

SECTION 2 HAZARDS IDENTIFICATION

| | |
|---------------------------|---|
| Hazardous chemical | <i>according to classification by Safe Work Australia</i> |
| Dangerous goods | <i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i> |

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| Signal Word | DANGER |
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| GHS Classification | Pictogram | Hazard statement |
|---|---|---|
| Flammable Liquids, Category 2 |  FLAME | H225 Highly flammable liquid and vapour |
| Serious Eye Damage/Irritation, Category 2A |  EXCLAMATION MARK | H319 Causes serious eye irritation |

Product: Hand Sanitiser Spray**Precautionary statements:**

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| GENERAL | |
| P101 | If medical advice is needed, have product container or label at hand |
| P102 | Keep out of reach of children |
| P103 | Read label before use |
| PREVENTATIVE | |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking |
| P233 | Keep container tightly closed |
| P243 | Take precautionary measures against static discharge |
| P264 | Wash thoroughly after handling |
| P280 | Wear protective gloves/eye protection/face protection |
| RESPONSE | |
| 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 + P313 | If eye irritation persists: Get medical advice/attention |
| P370 + P378 | In case of fire: Use foam/water spray/fog for extinction |
| STORAGE | |
| P403 + P235 | Store in a well-ventilated place. Keep cool |
| DISPOSAL | |
| P501 | Dispose of contents/container in accordance with local regulations |

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS**Ingredients Names and Proportions**

| Chemical Entity | CAS Number | Proportion (%) |
|---------------------------|------------|----------------|
| Ethanol | 64-17-5 | >80% (v/v) |
| Glycerin | 56-81-5 | 1.45% (v/v) |
| Hydrogen Peroxide | 7722-84-1 | 0.125% (v/v) |
| Non Hazardous Ingredients | n/a | balance |

SECTION 4 FIRST AID MEASURES**Description of necessary first aid measures**

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| Inhalation: | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing. |
| Skin Contact: | If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. |
| Eye Contact: | If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist transport to nearest medical facility for additional treatment. |
| Ingestion: | If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. |

Symptoms caused by exposure

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| Inhalation: | May cause irritation to the respiratory system. Inhalation of the vapour may result in drunkenness (as per effects of ingestion). Early symptoms may occur at airborne levels of 1000 to 5000ppm. |
| Skin: | May include burning sensation and/or a dried/cracked appearance. Prolonged contact may cause defatting of skin which can lead to dermatitis. |
| Eye: | May include burning sensation, redness, swelling and/or blurred vision. |

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| Ingestion: | Can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremors, convulsion, loss of consciousness, coma, respiratory arrest and death. |
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Medical attention and special treatment

Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing equipment

Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.

Specific hazards arising from the chemical

Carbon monoxide and/or carbon dioxide may be evolved.

Special protective equipment and precautions for fire fighters

Wear full protective clothing and self-contained breathing apparatus.

Hazchem code •2YE.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods and materials for containment and cleaning up

For small spills, transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

For larger spills, transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Flameproof equipment necessary in area where chemical is being used. Vapours may accumulate in low or confined areas.

Conditions for safe storage, including any incompatibilities

Bulk storage tanks should be bunded. Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

Classified as a C1 (combustible liquid) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to state regulations for storage and transport requirements.

This material is a scheduled poison Schedule 5 (caution) and must be stored, maintained and used in accordance with the relevant regulations.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure control measures**

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -
Ethanol: 1880mg/m³ (1000ppm) TWA (8hr)

Biological monitoring

No biological limit allocated.

Engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual protection measures

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| Eye and face protection: | Wear safety goggles. |
| Respiratory protection: | If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority. |
| Thermal hazards: | Not applicable. |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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|---|-------------------------|
| Appearance: | Colourless clear liquid |
| Odour: | Alcoholic |
| Odour threshold (ppm): | Data not available |
| pH: | Data not available |
| Melting point/freezing point (°C): | 0 |
| Initial boiling point and boiling range (°C): | 80 |
| Flash point (°C): | 25 |
| Evaporation rate (Butyl acetate = 1): | Data not available |
| Flammability: | Highly flammable |
| Upper/lower flammability or explosive limits (%): | 4-20 |
| Vapour pressure (mmHg @ 20°C): | 5.9 |
| Vapour density (air = 1, @ 15°C): | 1.59 |
| Solubility: | Data not available |
| Partition coefficient: n-octanol/water: | Data not available |
| Auto-ignition temperature (°C): | 392 |
| Decomposition temperature (°C): | Data not available |
| Kinematic viscosity (mm ² /s @ 20°C): | Data not available |

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SECTION 10 STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of use.

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Stable under normal conditions of use.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Strong oxidising agents.

Hazardous decomposition products

Burning can produce carbon monoxide and/or carbon dioxide.

SECTION 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:

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| Acute toxicity: | Low toxicity in animals - LD50 Oral (rat) : 7060mg/kg LC50 Inhalation (rat, 6h) : 5900mg/m ³ |
| Skin corrosion/irritation: | Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis. |
| Serious eye damage/irritation: | Vapours may irritate the eyes. Liquid or mists may severely irritate or damage the eyes. |
| Respiratory or skin sensitisation: | Not expected to be a sensitiser. |
| Germ cell mutagenicity: | Not expected to be mutagenic. |
| Carcinogenicity: | Not expected to be carcinogenic. |
| Reproductive toxicity: | Not expected to impair fertility. |
| Specific Target Organ Toxicity (STOT) – single exposure: | Data not available. |
| Specific Target Organ Toxicity (STOT) – repeated exposure: | Long term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle. |
| Aspiration hazard: | Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity:

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|------------------------|------------------------|
| Fish – | Expected to be harmful |
| Aquatic invertebrate – | Expected to be harmful |
| Algae – | Expected to be toxic |
| Microorganisms – | Expected to be harmful |

Product: Hand Sanitiser Spray**Persistence and degradability**

Biodegradable.

Bioaccumulative potential

Data not available.

Mobility in soil

Miscible with water.

Other adverse effects

Data not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

If possible the container should be recycled. If material and container cannot be recycled, dispose in accordance with local, regional, national and international regulations.

SECTION 14 TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail"

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.

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| UN number: | 1170 |
| Proper shipping name: | Ethanol solution |
| Australian Dangerous Goods class: | 3 |
| Australian Dangerous Goods packing group: | II |
| Hazchem code: | •2YE |

SECTION 15 REGULATORY INFORMATION

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|---|--------|
| Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule: | 5 |
| Australian Inventory of Chemical Substances (AICS): | Listed |
| Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): | 14 |

SECTION 16 OTHER INFORMATION

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| Date of preparation: | 07/04/2020 |
| Revision number: | 1 |

This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. My Life My Health Compounding cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact My Life My Health Compounding on (07) 3832 2888.
