



SAFETY DATA SHEETS

Aim Hand Sanitiser

Version: 1



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CLASSIFICATION OF MATERIAL

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 **Product:** Aim Hand Sanitiser
- 1.2 **UN Proper Shipping Name:** Ethanol or ethanol solution
- 1.3 **Recommended Use:** Hand Sanitiser
SDS are intended for use in the workplace. For domestic-use products, refer to consumer labels.
- 1.4 **Supplier:** Pental Products Pty Ltd
- 1.5 **A.B.N:** 68 103 213 467
- 1.6 **Address:** 48 Drummond Road, Shepparton, Victoria, 3630
- 1.7 **Telephone Number:** (03) 5820 5200 (Australia).
- 1.8 **Facsimile:** (03) 5820 5221 (Australia).
- 1.9 **Website:** <http://www.pental.com.au/>
- 1.10 **Email:** enquiries@pental.com.au
- 1.11 **Emergency Telephone Numbers:** (03) 5820 5200 (Australia: Weekdays 8.00am to 5.00pm)
Poisons Information Centre Australia: 13 1126
Poisons Information Centre New Zealand: 0800 764 766

2. HAZARDS IDENTIFICATION

- 2.1 **Hazard Classification:** Flammable Liquid -Category 2
Serious Eye Damage/Irritation – Category 2A
- 2.2 **Hazard pictogram(s):**  
- 2.3 **Signal Word:** **DANGER**
- 2.4 **Hazard Statements:** H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
- 2.5 **Prevention Statements:** P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
- 2.6 **Response Statements:** P370+P378 In case of fire: Use alcohol resistant foam or normal protein foam for extinction.



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- 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.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- 2.7 **Storage Statements:** P403+P235 Store in a well-ventilated place. Keep cool.
- 2.8 **Disposal Statements:** P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Ethanol	64-17-5	70.0 – 75.0
Water	7732-18-5	20.0 – 25.0
Carbomer	9007-20-9	0.2 – 0.5
Glycerol	56-81-5	1.0 – 5.0
Triethanolamine	102-71-6	0.2 – 2.0

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

- Ingestion:** Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
- Eye Contact:** If this product comes in contact with the eyes:
Wash out immediately with fresh running water.
Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
Seek medical attention without delay; if pain persists or recurs seek medical attention.
Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- Skin Contact:** No adverse effects anticipated from normal use.
Discontinue use if irritation occurs
- Inhalation:** If fumes, aerosols or combustion products are inhaled remove from contaminated area.
Other measures are usually unnecessary.

4.2 Medical Attention and Special Treatment

- First Aid Facilities:** Eye wash station.
- Comments:** Treat according to person's condition and specifics of exposure.
- Advice to Doctor:** Treat symptomatically.

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5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media:** Alcohol stable foam.
Dry chemical powder.
BCF (where regulations permit).
Carbon dioxide.
Water spray or fog - Large fires only.
- 5.2 Specific Hazards Arising From The Chemical:** Fire Incompatibility - Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
- 5.3 Special Protective Equipment and Precautions For Fire Fighters:**
- Fire Fighting**
- Alert Fire Brigade and tell them location and nature of hazard.
May be violently or explosively reactive.
Wear breathing apparatus plus protective gloves in the event of a fire.
Prevent, by any means available, spillage from entering drains or water course.
Consider evacuation (or protect in place).
Fight fire from a safe distance, with adequate cover.
If safe, switch off electrical equipment until vapour fire hazard removed.
Use water delivered as a fine spray to control the fire and cool adjacent area.
Avoid spraying water onto liquid pools.
Do not approach containers suspected to be hot.
Cool fire exposed containers with water spray from a protected location.
If safe to do so, remove containers from path of fire.
- Fire/Explosion Hazard**
- Liquid and vapour are highly flammable.
Severe fire hazard when exposed to heat, flame and/or oxidisers.
Vapour may travel a considerable distance to source of ignition.
Heating may cause expansion or decomposition leading to violent rupture of containers.
On combustion, may emit toxic fumes of carbon monoxide (CO).
Combustion products include:
- carbon dioxide (CO₂)
 - nitrogen oxides (NO_x)
 - other pyrolysis products typical of burning organic material.

6. ACCIDENTAL RELEASE MEASURES

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6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

See section 8

6.2 Environmental Precautions:

See Section 12

6.3 Methods and Materials for Containment and Clean Up:

Remove all ignition sources.

Clean up all spills immediately.

Avoid breathing vapours and contact with skin and eyes.

Control personal contact with the substance, by using protective equipment.

Minor Spill

Contain and absorb small quantities with vermiculite or other absorbent material.

Wipe up.

Collect residues in a flammable waste container.

Slippery when spilt.

Clear area of personnel and move upwind.

Alert Fire Brigade and tell them location and nature of hazard.

May be violently or explosively reactive.

Wear breathing apparatus plus protective gloves.

Prevent, by any means available, spillage from entering drains or water course.

Consider evacuation (or protect in place).

No smoking, naked lights or ignition sources.

Increase ventilation.

Stop leak if safe to do so.

Major Spill

Water spray or fog may be used to disperse /absorb vapour.

Contain spill with sand, earth or vermiculite.

Use only spark-free shovels and explosion proof equipment.

Collect recoverable product into labelled containers for recycling.

Absorb remaining product with sand, earth or vermiculite.

Collect solid residues and seal in labelled drums for disposal.

Wash area and prevent runoff into drains.

If contamination of drains or waterways occurs, advise emergency services.

Slippery when spilt.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

No special handling procedures required.

No protective clothing required due to physical form of product.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in original containers in approved flame-proof area.

No smoking, naked lights, heat or ignition sources.

DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

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Keep containers securely sealed.

Store away from incompatible materials in a cool, dry well-ventilated area.

Protect containers against physical damage and check regularly for leaks.

Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.

Avoid strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** Exposure limits have been set for the following ingredients as listed in the "Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003 (1995)]" published by the National Occupational Health and Safety Commission (Australia):

Ingredients

Exposure Limits

Ethanol
(CAS No. 64-17-5)

Time Weighted Average (TWA): 1880 mg/m³ and 1000 ppm.
Short Term Exposure Limit (SETL): Not Available

- 8.2 Biological Limit Values:**

No biological limit allocated.

- 8.3 Engineering Controls:**

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

- 8.4 Personal Protective Equipment:**
Respiratory

Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Avoid breathing dusts or vapours. Where ventilation is inadequate and dusts or vapours are generated, respiratory protective equipment should be used suitable for protecting against airborne contaminants. Reference should be made to Australian Standards: AS/NZS 1715 Selection, use and maintenance of respiratory protective devices; and AS/NZS 1716 Respiratory protective devices.

Eye

Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Avoid eye contact. Safety glasses with side shields, goggles or face shield should be worn. Eye protection should conform with AS/NZS 1337 Eye protectors for industrial applications.

Skin

Domestic quantities require no special equipment with normal careful use. Care should be taken with sensitive or damaged skin. When handling bulk quantities. Wear gloves of impervious material. Refer to AS/NZS 2161.1 Occupational protective gloves – Selection use and maintenance.

Wear appropriate clothing, including a chemical resistant apron, where clothing is likely to be contaminated. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Physical Description / Properties

Appearance:	Colourless viscous highly flammable gel; mixes with water.
Odour:	Odourless
pH:	6.5-8.5
Viscosity (cP @ 25°C):	Not applicable
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Boiling Point (°C):	70°C
Freezing Point (°C):	Not determined
Melting Point (°C):	Not applicable
Solubility In Water (g/100 mL):	Soluble
Density (@ 25°C):	~0.875 g/mL
Flash Point (°C):	22°C
Flammability:	Highly flammable
Lower Explosive Limit (%):	Not applicable
Upper Explosive Limit (%):	Not applicable
Autoignition Temp (°C):	Not applicable
Decomposition Temp (°C):	Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity:	See section 7 Unstable in the presence of incompatible materials.
10.2 Chemical Stability:	Product is considered stable under ambient temperature and pressure. Hazardous polymerisation will not occur.
10.3 Conditions To Avoid:	See section 7
10.4 Incompatible Materials:	See section 7
10.5 Hazardous Decomposition Products:	See section 5

11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure: Inhalation Skin contact Ingestion

11.2 Health Effects From Likely Route of Exposure:

Acute

Ingestion: The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Eye: Evidence exists, or practical experience predicts, that the material may cause severe eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Eye contact may cause significant inflammation with pain. Corneal injury may occur; permanent impairment of vision may result unless treatment is prompt and adequate.

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Skin:	No adverse effects anticipated from normal use. Discontinue use if irritation occurs
Inhalation:	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination
Chronic	
Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.
Eye:	Repeated or prolonged exposure to irritants may cause inflammation characterised by a temporary redness (similar to windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.
Skin:	No adverse effects anticipated from normal use. Discontinue use if irritation occurs
Inhalation:	Long-term exposure to ethanol may result in progressive liver damage with fibrosis or may exacerbate liver injury caused by other agents
11.3 Other Information:	No known applicable information.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material. Long term adverse effects to aquatic organisms are not expected.
12.2 Persistence and Degradability:	Low persistence in water/soil and air.
12.3 Bioaccumulation Potential:	Low bioaccumulation potential.
12.4 Mobility in Soil:	No information available.
12.5 Other Adverse Effects:	Not applicable.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method:	Single unit: Incineration or dispose in household waste. Large amounts: Incineration.
13.2 Disposal of Contaminated Packaging:	Dispose in household waste.
13.3 Environmental Regulations:	Reclaim or dispose of in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

14.1 UN Number:	1170
14.2 UN Proper Shipping Name:	Ethanol or ethanol solution
14.3 Transport Hazard Class:	3
Packing Group:	II
14.4 Environmental Hazards:	Not applicable.

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- 14.5 **Special Precautions During Transport:** Not applicable
- 14.6 **HAZCHEM Code:** 2YE
- Additional Shipping Information:** Not applicable.

15. REGULATORY INFORMATION

- 15.1 **SUSDP Poisons Schedule:** Not applicable.
- 15.2 **Prohibition / Licensing Requirements:** There are no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.
- 15.3 **Industrial Chemicals (Notification and Assessment) Act 1989:** All ingredients are listed on or exempt from the *Australian Inventory of Chemical Substances (AICS)*.

16. OTHER INFORMATION

- 16.1 **Issue Date:** 3rd September 2020
- 16.2 **Contact Points:**
- Title / Position:** Research & Development Chemist
- Telephone:** (03) 5820 5204 (Australia: Weekdays 8.00am to 5.00pm)
- E-mail:** enquiries@pental.com.au
- 16.3 **After Hours Emergency Medical Assistance:** Poisons Information Centre
- Telephone:** Australia: 13 1126
New Zealand: 0800 764 766

Disclaimer:

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