



SAFETY DATA SHEET

compiled according to Safe Work Australia and the GHS

Revision Date: 23-Apr-20


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1. IDENTIFICATION

Product Identifier	HAND SANITISER
Product Code	1436
Other Means of Identification	Sanitiser Gel
Recommended Use of the Chemical and Restriction on Use	Antibacterial hand cleaner
Details of Manufacturer or Importer	Lidomont Pty. Ltd., trading as Prolube Lubricants 15 Pinnacle Street, Brendale, Queensland, 4500
Phone	07 3881 1733 (+61 7 38811733 – International)
Emergency Telephone	000 (Australia Only)
Poisons Information Centre Phone	13 11 26

2. HAZARDS IDENTIFICATION

Physical Hazard(s)	Classified as Hazardous according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Health Hazard(s)	Flammable Liquid Category 2
Environment Hazard(s)	
GHS Label Elements	
Signal Word	DANGER

Hazard Statement(s)

H225 Highly flammable liquid and vapour.

Precautionary Statement(s): 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

Precautionary Statement(s): Prevention

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/ventilation/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/eye protection/face protection.



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Precautionary Statement(s): Response

P303+P361+P353 If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire use CO₂, dry chemical or foam for extinction.

Precautionary Statement(s): Storage

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

Precautionary Statement(s): Disposal

P501 Dispose of contents/container as hazardous waste in accordance with local regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Ethanol (Ethyl Alcohol)	64-17-5	> 60%
Other Products deemed non hazardous		to 100%

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

Inhalation

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin contact

If skin or hair contact occurs, remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation occurs seek medical assistance.

Eye contact

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice. Removal of contact lenses after an eye injury should only be done by skilled personnel.

Ingestion

Immediately give a glass of water. Rinse mouth with water. Do not give anything to an unconscious person. Seek medical assistance as soon as possible.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment

Water spray or fog, alcohol stable foam, dry agent (carbon dioxide, dry chemical powder) – Do not use water in a jet.

Specific hazards arising from the chemical

On burning will emit toxic fumes, oxides of carbon and smoke. Vapour is heavier than air and may ignite at distance.

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Special protective equipment and precautions for firefighters

Keep containers cool with water spray. Fire fighters should wear self-contained breathing apparatus and suitable protective clothing.

Hazchem code :2Y

Flash Point 18°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Shut off all possible sources of ignition, increase ventilation.

Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours.

Evacuate unprotected personnel from the danger area.

Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Use spark free implements.

Environmental precautions

In the event of a major spill, prevent spillage from entering drains or water courses. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for Containment and cleaning up

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal.

Allow any residues to evaporate.

7. HANDLING AND STORAGE

Precautions for safe handling

Highly flammable product. Use appropriate personal protective equipment – see Section 8. Use safe work processes to avoid eye or skin contact and inhalation of vapours. Use only in well ventilated areas.

Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

Do not store in contact with food, beverages or tobacco products. Eating drinking or smoking in areas where this product is stored or processed should be prohibited. Always wash thoroughly after handling. Wash contaminated clothing and other protective equipment before storage or reuse. Provide eyewash fountains and safety showers in close proximity to points of use.

Conditions for safe storage

Store in accordance with local regulations in a cool, dry and well ventilated area. Store in original container tightly closed and away from incompatible materials (see Section 10). Check regularly for leaks and physical damage. Opened containers should be carefully resealed and stored in an upright position. Empty containers may contain residues and be dangerous. Store and use only in equipment designed for use with this type of product. Use appropriate bunding or containment to prevent environmental contamination.

Do not store in confined spaces where vapours may be trapped.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -

Ethyl Alcohol: 1880mg/m³ (1000ppm) TWA (8hr)

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Engineering controls

Engineering controls should be in place as a primary source of protection over the use of Personal Protective Equipment. Ensure adequate ventilation of the working area or provide exhaust ventilation to keep the relevant airborne concentrations below acceptable levels.

Individual protection measures

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Eye and face protection: Safety glasses with side shields, goggles or face shields are recommended.

Skin protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include chemical resistant, nitrile or viton. Long sleeve and long pants will provide protection.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. An organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716 should be used for this material.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Form	Gel
Colour	Clear, slight blue tinge
Odour	n/a
Odour Threshold	Not determined
pH-Value	8.0 to 10.0
Melting point/Melting range	n/a
Initial Boiling Point/Boiling Range	78 °C
Flash Point	18 °C (Abel)
Flammability	Highly flammable
Upper/lower flammability or explosive limits (%)	2.0 / 10.5
Auto-ignition Temperature	n/a
Decomposition Temperature	No information available
Relative Density at 15 °C	0.85 – 0.90
Vapour Density	n/a
Evaporation Rate	n/a
Solubility in Water	Miscible

10. STABILITY AND REACTIVITY

Reactivity: Reacts with strong oxidising agents.

Chemical stability: Stable at ambient temperature and under normal conditions of use.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

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Conditions to avoid: Excessive heat. Open flames. All sources of ignition. Direct sunlight.

Incompatible materials: Strong oxidisers.

Hazardous decomposition products: Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50/LC50 values relevant	
<i>Oral LD 50 (Ethanol)</i>	Expected to be of low toxicity - LD50 Oral (rat): > 1200mg/kg
<i>Dermal LD50 (Ethanol)</i>	LD50 (rabbit): 64000 ppm/4h
<i>Inhalation LC50 (Ethanol)</i>	LC50 (rat): 17100mg/kg
Acute Health Effects	
<i>Inhalation</i>	Material is not thought to produce adverse health effects or irritation of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and prolonged inhalation may be harmful. Good hygiene practice requires that exposure be kept to a minimum.
<i>Skin</i>	Material is not thought to produce adverse health effects or skin irritation. Good hygiene practice requires that exposure be kept to a minimum.
<i>Eye</i>	Although the product is not thought to be an irritant, direct contact with the eye may produce transient discomfort.
<i>Ingestion</i>	Ingestion of Ethanol may produce nausea, vomiting, bleeding of the digestive tract, abdominal pain and diarrhoea.
Skin Corrosion / Irritation	Based on classification principles, the classification criteria are not met
Serious Eye Damage / Irritation	Based on classification principles, the classification criteria are not met
Respiratory or Skin Sensitisation	Based on classification principles, the classification criteria are not met
Germ Cell Mutagenicity	Based on classification principles, the classification criteria are not met
Carcinogenicity	Based on classification principles, the classification criteria are not met
Reproductive Toxicity	Based on classification principles, the classification criteria are not met
Specific Target Organ Toxicity (STOT) -	
<i>Single Exposure</i>	Data not available for classification.
<i>Repeated Exposure</i>	Data not available for classification.
Aspiration Hazard	Data not available for classification.
Chronic Health Effects	Long term exposure to the product is not thought to produce chronic effects adverse to the health, nevertheless exposure by all routes should be minimised. Prolonged exposure to ethanol may cause damage to the liver and cause scarring. It may also worsen damage from other agents.
Existing Conditions Aggravated by Exposure	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ethanol quickly biogrades in soil, but may leach into ground water. Most is lost by evaporation.

Persistence and degradability:

Readily biodegradable. Oxidises by photo-chemical reactions in air.



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Bioaccumulative Potential:

Limited potential for bioaccumulation.

Mobility in soil:

Highly mobile and absorbs into soil.

13. DISPOSAL CONSIDERATIONS

Disposal method and Containers

Dispose according to applicable local and state government regulations.

Empty containers may contain residue and can be dangerous. Packaging should be recycled and disposal via incineration or landfill should only be considered when recycling not possible. Do not pressurize, cut, weld, braze, solder, drill grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

Special precautions for incineration or landfill

Consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

	Australian Dangerous Goods (ADG)	International Maritime Dangerous Goods (IMDG)	International Air Transport Association (IATA)
UN Number	1170	1170	1170
UN Proper Shipping Name	Ethanol or Ethanol Solution (Contains Ethanol)	Ethanol or Ethanol Solution (Contains Ethanol)	Ethanol or Ethanol Solution (Contains Ethanol)
Dangerous Goods Class	3	3	3
Packing Group	III	III	III
Hazchem Code	2Y		

Special precautions for user

None Available

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) – Poison Schedule

S5

Australian Inventory of Chemical Substances (AICS)

All components are listed or exempt

Classified as hazardous according to criteria of NOHSC

Harmful, Highly Flammable



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16. OTHER INFORMATION

Creation Date 23-Apr-2020

Prepared by Lidomont Pty Ltd, 15 Pinnacle St Brendale QLD

Revision information

Date and Changes: none

Abbreviations Used

GHS, Globally Harmonised System of Classification and labelling of Chemicals

CAS, Chemical Abstracts Service (Division of American Chemical Society)

LC50, Lethal concentration 50%

LD50, Lethal dose 50%

STEL, Short Term Exposure Limit

TWA, Time Weighted Average

UN, United Nations

n/a, not available

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of practice for the Preparation of Safety Data Sheets for Hazardous Chemicals – May 2018. The information and recommendations contained herein are, to the best of Prolube's knowledge and belief, accurate and reliable as of the date issued. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet. You can contact Prolube to insure that this document is the most current available from Prolube. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users.