

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- **Product (material) name:** Sanirub Hand Sanitiser
- **Other names:** Antimicrobial Hand Lotion
- **Recommended use:** Hand Sanitiser wash for hands
- **Supplier:** Robokleen Unit 5, 8 Weld Street, Prestons, NSW,2170
- **Tel:** 02 8712 2406
- **Emergency:** Contact Poisons Info Centre 131 126 or Manufacturer

SECTION 2: HAZARDS IDENTIFICATION

□ **Classification of the substance or mixture**

The product containing ethanol at up to 70% is considered to be highly flammable and causes serious eye irritation.

Label elements:□ **Pictograms**□ **Signal word:** warning□ **Hazard statement(s):**

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

□ **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/ ventilating/ lighting/ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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 dry sand, dry chemical or alcohol resistant foam for extinction.

Storage

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

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	CAS No.	% preparation
Ethanol	64-17-5	70
Water	7732-18-5	To 100
Other ingredients	Various	< 1

SECTION 4: FIRST AID MEASURES

General information	you should call poisons information centre if you feel that you may have been poisoned, burned or irritated by this product.
Inhalation:	First aid is generally not required. If in doubt contact a Poisons information centre or a doctor.
Skin Contact:	Gently blot away excess liquid. Irritation is unlikely.
Eye contact:	Flush with lukewarm water for 5 mins or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
Ingestion:	If product is swallowed or gets in mouth, do not induce vomiting; wash mouth with water and give some water to drink. If symptoms persist contact a Poisons Information Centre or a doctor.

SECTION 5: FIRE FIGHTING MEASURES

Fire and explosion hazards:	This product is classified as flammable. There is moderate risk from this product if commercial quantities are involved in a fire. Firefighters should take care of appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion.
Extinguishing media:	Use dry sand, dry chemical or alcohol resistant foam for extinction.
Advice for firefighters:	Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions:	Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up:	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations (see section 13).
Accidental release:	The product is sold in small quantities, therefore, is not of concern. In the event of a major spill, prevent spillage from entering drains or waterways and call emergency services.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Keep exposure to this product to a minimum and minimise the quantities in work areas. Refer to section 8 for personal protective equipment.
Storage	Store in a well ventilated place. Keep cool.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

National exposure standards

Chemical	Time weighted average (TWA) (mg/m ³)	TWA (ppm)
Ethanol up to 70%(CAS No. 64-17-5)	1880	1000

Personal protective equipment

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: Routinely avoid contact with all chemical products by wearing suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: There is no specific recommendation for any particular protective material type.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	Viscous, clear, pourable gel
Odour:	characteristic alcohol
Boiling Point:	Approximately 80 °C at 100kPa.
Freezing/Melting Point:	below 0°C.
Volatiles:	> 99%
Vapour Pressure:	Approx. 10 kPa at 30°C
Vapour Density:	No data.
Specific Gravity:	Approx 1.0
Water Solubility:	Completely soluble in water.
pH:	7.0-8.0
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	363 °C
Upper flammability limit:	19%
Lower flammability limit:	3.3%

SECTION 10: STABILITY AND REACTIVITY

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30 °C. Keep containers tightly closed and surrounding areas well ventilated.

Incompatibilities: strong oxidising agents.

Fire Decomposition: Carbon dioxide and if combustion is incomplete, carbon monoxide. Water. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological data is based on ethanol (up to 70%)

Local effects: The product is expected to be irritating to the eyes but not to the skin (NICNAS).

LD50 oral(rats) >2000 mg/kg bw (NICNAS)

Chronic effects: the chemical is not expected to cause any long term health issues (NICNAS)

SECTION 12: ECOLOGICAL INFORMATION

This product is not biodegradable. It will not accumulate in the soil or water or cause long term problems. Not expected to be an environmental hazard.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container to an approved waste disposal plant.

Dispose of small quantities and empty containers by wrapping with paper and putting in the garbage.

SECTION 14: TRANSPORT INFORMATION

- **ADG code:** 1170, ethanol solution
- **Dangerous goods** Class 3: flammable liquids
- **Packing Group** III
- **Packing method** P001, IBC03, LP01
- **Special provisions** 144, 223
- **Hazchem Code** 2Y

SECTION 15 REGULATORY INFORMATION

Australia: All products in the formulation are listed on the Australia Inventory of Chemical Substances (AICS)

SECTION 16 OTHER INFORMATION

- **Date of preparation or last revision of the SDS** November 2016

- **Literature references**

National Industrial Chemicals Notification and Assessment Scheme (NICNAS). Tier II assessment for ethanol (CAS No. 64-17-5). Accessed November 2016 at https://www.nicnas.gov.au/chemical-information/imap-assessments/imap-assessment-details?assessment_id=96#cas-A_64-17-5

Disclaimer:

A) This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information is meant to describe Safety Requirements of the product and should not be construed as guaranteeing specific properties. This MSDS is analogous to the data for the principal components of the mixture/compound. No warranty, express or implied, is made as to its accuracy, reliability or completeness.

B) Each user should read this SDS, all product labels, and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

C) We can not accept any liability for any damage or injury caused by the product as it is sold and its use, handling and storage are completely out of our control.