

MATERIAL SAFETY DATA SHEETS

ALCOHOL GEL HANDWASH SANITIZER

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: ALCOHOL GEL HANDWASH SANITIZER

TRADE NAME / SYNONYMS: Not applicable

CHEMICAL NAME: Not applicable

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

No	Material	Chemical name	CAS NO	A.I (% w/w)
1	Ethanol	Ethanol	64-17-5	50 - 80
2	Carbomer	Acrylate Polimer	25155-30-0	0.2 – 1.0
3	Glycerin	Propan – 1,2,3-triol	56-81-5	1.0 – 3.0
4	Perfume	-	-	0.05 – 0.15
5	Other	-	-	Add to 100%

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

ODOR & APPEARANCE	Colorless gel with characteristic odor
PH	6.0- 8.0
VISCOSITY	2000 - 8000 mPAS
SPECIFIC GRAVITY/BULK DENSITY	0.8 – 0.95 g/ml
CLOUD POINT (°C)	< 0
WATER SOLUBILITY	Complete
IN OTHER SOLVENTS	Not available
VAPOUR PRESSURE (mmHg):	~ 5.9kPa
VAPOUR DENSITY (air=1)	Not available
BOILING POINT	80
EVAPORATION RATE (water = 1)	Not available
FREEZING POINT	Not available
FLASH POINT (°C)	Not determined
LOWER EXPLOSIVE LIMIT (%)	Not determined
UPPER EXPLOSIVE LIMIT (%)	Not determined

SECTION 4: HAZARD IDENTIFICATION

- **SIGNAL WORD :** Dangerous, Flammable Liquid



- **HAZARD CLASSIFICATION:** Hazardous Substance. Non-Dangerous Goods
- **RISK PHRASES:** Irritating to eyes
- **SAFETY PHRASES:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 5: STABILITY AND REACTIVITY

- ❖ **Chemical Stability:** The product is stable under normal ambient conditions of temperature and pressure.
- ❖ **Hazardous Polymerization:** None
- ❖ **Conditions To Avoid:** Avoid exposure to heat, sources of ignition.
- ❖ **Incompatible Material:** Strong Oxidizers, Strong Reducing agents
- ❖ **Hazardous Decomposition:** Hazardous polymerization will not occur.

SECTION 6: FIRE FIGHTING INFORMATION

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Highly flammable liquid and vapor. Combustible liquid. May form flammable vapor 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.

Vapor 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.

Fire fighting 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.

SECTION 7: ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. 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. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. 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.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

Appropriate engineering controls : Ensure adequate ventilation.

Personal protective equipment : Normally not required when used as intended.

Hand protection : Product is designed for use on hands.

Eye protection : Normally not required if used as intended.

Skin and body protection : Normally not required if used as intended.

Respiratory protection : Normally not required if used as intended.

SECTION 9: FIRST AID MEASURES**Inhalation**

Remove victim from 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. Seek medical advice if effects persist.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

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.

Ingestion

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

Notes to physician Treat symptomatically.

SECTION 10: 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

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with sensitive skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: An eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Ethanol	
LD50 oral rat	10470 mg/kg
LD50 dermal rat	15800 mg/kgv
LC50 inhalation rat (mg/l)	> 51 mg/l/4h

Skin: this material has been classified as not corrosive or irritating to skin.

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

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

Specific target organ toxicity (single exposure): This material has been classified as nonhazardous.

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 nonhazardous. Specific target organ toxicity (repeat exposure): This material has been classified as nonhazardous

SECTION 11: 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 $\log Kow < 4$.

Ecotoxicity: No information available.

Persistence and degradability: The product is readily biodegradable.

Bioaccumulative potential: Risk of bioaccumulation in an aquatic species is low.

Mobility: No information available

SECTION 12: 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

SECTION 13: HANDLING AND STORAGE

Precautions for Safe Handling:

Use with adequate ventilation. Avoid breathing mist. Avoid eye contact. Avoid prolonged contact with the skin. Do not take internally. Wash after handling, especial before eating, drinking or smoking.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 5. Store away from sources of heat and/or ignition.

SECTION 14: TRANSPORTATION INFORMATION

This product is not classified as a Dangerous Good according to the DG Code

In accordance with DOT/ADR / RID / ADNR / IMDG / ICAO / IATA

ROAD AND RAIL TRANSPORT

- UN number UN-No. : 1170

- UN proper shipping name:

+ Proper shipping name : ETHYL ALCOHOL SOLUTION

+ Transport document description : UN 1170 ETHYL ALCOHOL SOLUTION, 3, II, (D/E)

- Transport hazard class(es):

+ Class (UN) : 3

+ Hazard labels (UN) : 3

- Packing group (UN): II

Hazchem Code: •2YE

Emergency Response Guide No: 14

**AIR TRANSPORT**

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

UN No: 1170

Dangerous Goods Class: 3

Packing Group: II

Proper Shipping Name: ETHANOL SOLUTION

SECTION 15: REGULATORY INFORMATION

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).

SECTION 16: OTHER INFORMATION

❖ User's responsibility

It is the user's responsibility to provide a safe workplace. He or she should consider the health hazard and safety information contained herein as a guide and take those precautions required in an individual operation to instruct employees and develop work practices for a safe environment. The information and recommendations contained herein have been compiled from sources believed to be reliable. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws/regulation. The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components.