

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: SANI HANDS LS012
Synonyms:
Use:
Supplier: Promax Technologies
ABN: 54 167 908 170
Street Address: 113 East Derrimut Cres., Derrimut, 3026
Telephone Number: (03) 8353 2296
Emergency Telephone: Adrian Borsi 0419 384 323

2. HAZARDS IDENTIFICATION

Pictograms



Signal Word Danger

Hazard Statements **H225** Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary Statements 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 and all other equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/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.
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 or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only for extinction.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool. Disposal
P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	
Ethanol	64-17-5	70%	

4. FIRST AID MEASURES

Inhalation

- In case of accident by inhalation: remove casualty to fresh air and keep at rest.
- Victim to lie down in the recovery position, cover and keep him warm.
- Oxygen or artificial respiration if needed.
- Seek immediate medical attention.

Skin Contact

- Take off contaminated clothing and shoes immediately.
- Wash off immediately with plenty of water.
- Keep warm and in a quiet place.
- Wash contaminated clothing before re-use.

Eye Contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor.
- Consult with an ophthalmologist immediately in all cases.

Ingestion

The following actions are recommended:

- Call a physician immediately.
- Take victim immediately to hospital.

If victim is conscious:

- If swallowed, rinse mouth with water (only if the person is conscious).

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- Give a glass of water
- Do NOT induce vomiting.

If victim is unconscious but breathing:

- Artificial respiration and/or oxygen may be necessary.

Medical advice

- For advice, contact Poisons Information Centre, phone 131126, or call a doctor.

5. FIRE FIGHTING MEASURES

General Measures	Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard.
Flammability Conditions	Highly flammable.
Extinguishing Media	Water fog or foam. Use water fog to cool intact containers and nearby storage areas.
Fire and Explosion Hazard	Vapours may form explosive mixtures with air.
Hazardous Products of Combustion	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Special Fire Fighting Instructions	Prevent contamination of drains or waterways, absorb run off with sand or similar.
Personal Protective Equipment	Wear full protective equipment (see above) including Self Contained Breathing Apparatus (SCBA) when combating fire.
Flash Point	25 - 30 °C
Lower Explosion Limit Ethanol:	3.3 %
Upper Explosion Limit Ethanol:	19.0 %
Auto Ignition Temperature	No Data Available
Hazchem Code	+2YE

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	If spilt (bulk), contact emergency services where appropriate. ELIMINATE all ignition sources (no smoking, flares, sparks or flame). Ventilate enclosed spaces before entering. Do not touch or walk through spilled material.
Clean Up Procedures	Absorb spill with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it in sealable containers for later disposal.
Containment	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours.
Environmental Precautionary Measures	Prevent contamination of drains or waterways.
Evacuation Criteria	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.
Personal Precautionary Measures	SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers and where there is no risk of ignition. SCBA and structural firefighting uniform provide limited protection where there is a risk of ignition.

7. HANDLING AND STORAGE

Handling	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wear protective gloves/eye protection/face protection. Do not inhale vapours. Use in well ventilated areas. Keep away from heat and ignition sources. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
Storage	Store in cool dry, well-ventilated area, away from direct sunlight and other sources of heat. Ensure containers are properly labelled, protected from any physical damage and sealed when not in use. Keep away from oxidising agents, acids, strong alkalis and ignition sources.
Container	Keep in original container.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

General

Safe Work Australia Exposure Standard for Ethanol (CAS No. 64-17-5):

TWA = 1,000 ppm or 1,880 mg/m³

Safe Work Australia Exposure Standard for Methyl isobutyl ketone (CAS No. 108-10-1):

TWA = 50 ppm or 205 mg/m³

STEL = 75 ppm or 307 mg/m³

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Exposure Limits	No Data Available
Biological Limits	No information available
Engineering Measures	Use in well ventilated areas. In poorly ventilated areas, mechanical explosion-proof extraction ventilation is recommended.
Personal Protection Equipment	Wear splash proof goggles and nitrile or neoprene gloves. When using large quantities or where heavy contamination is likely wear coveralls. Where an inhalation risk exists, wear a type A (Organic vapour) Respirator. At high levels wear Self Contained Breathing apparatus (SCBA) or an Air-line respirator.
Special Hazards Precautions	Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.
Work Hygienic Practices	Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Gel with Alcohol odour .

Boiling Point: >78°C.

Melting Point: Not known

Flash Point: 25 - 30 °C

Specific Gravity: 0.8 @ 20°C

pH: not applicable

Solubility in water: Soluble in all proportions.

Corrosiveness: Non corrosive.

Properties That May Initiate or Contribute to Fire Intensity Highly flammable.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal use/storage/transport conditions.
Conditions to Avoid	Avoid heat and ignition sources.
Materials to Avoid	Incompatible with oxidising agents, acids and strong alkalis.
Hazardous Decomposition Products	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Hazardous Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Low to moderate toxicity – irritant. This product has the potential to cause adverse health effects with chronic over exposure. Use safe work practices to avoid eye or skin contact and over exposure via inhalation. Chronic ingestion may result in cirrhosis of the liver. Over exposure may cause central nervous system depression.	
EYE:	Irritant. Exposure may result in lacrimation, irritation, pain and redness.	
INHALATION:	Irritant. Inhalation may cause irritation to the respiratory system, nose and throat irritation, coughing and headache. Over exposure may result in nausea, dizziness and drowsiness.	
SKIN:	Irritant. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis. Toxic effects may result from skin absorption.	
INGESTION:	Low toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness and drowsiness with large doses. Liver damage may occur with high level of chronic ingestion.	
Acute	Inhalation Inhalation Ingestion Ingestion Other	TOXICITY DATA: Rat LC50 (Inhalation): 2,000 ppm / 10 hrs TOXICITY DATA: Rat LC50 (Inhalation): 23,300 mg/m ³ TOXICITY DATA: Mouse LD50 (Ingestion): 3,450 mg/kg TOXICITY DATA: Guinea Pig LD50 (Ingestion): 1,600 mg/kg TOXICITY DATA: Rabbit LD50 (Dermal): >20 mL/kg
Carcinogen Category	None	

12. ECOLOGICAL INFORMATION

Ecotoxicity	Fish Toxicity: Golden ide LC50: >1,000 mg/L (48 hrs) Invertebrate Toxicity: Daphnia magna EC50: >1,000 mg/L (24 hrs)
Persistence/Degradability	Ethanol will biodegrade, probably to acetic acid and formaldehyde. It will photodegrade in air, with a half-life ranging from hours (polluted air) to days (clean air).
Mobility	If spilled on soil, Ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low absorption in soil.
Environmental Fate	Ensure appropriate measures are taken to prevent this product from entering the environment.

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Bioaccumulation Potential Ethanol is not expected to bioconcentrate.

Environmental Impact No Data Available

13. DISPOSAL CONSIDERATIONS

General Information Dispose of contents/container in accordance with relevant local legislation.

Special Precautions for Land Fill For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

14. TRANSPORT INFORMATION

UN Number: 1170

Proper Shipping Name: Ethanol solution

Dangerous Goods Class: 3

Dangerous Goods Sub Class:

Packing Group: II

Hazchem Code: 2[Y]E

Road and Rail Transport: Classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code for transport by road and rail.

SEA: Classified as Dangerous Goods according to the International Maritime Dangerous Goods Code (IMDG Code).

This product must not be loaded or packed with other non compatible classifications of dangerous goods.

15. REGULATORY INFORMATION

Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD.

Poisons Schedule: 5

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue. The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In this case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and protection of human welfare and the environment. Promax Technologies will not be responsible for any damage or loss of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State, or Territory legislation.