

Nail Solutions Sanitise SDS
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Section 1 - Identification of the Material and Supplier

Chemical nature: Isopropanol
Trade Name : Nail Solutions Sanitise
Product Use: Sanitising agent
Creation Date : March 2013
Supplier : J & N Holdings trading as Brisbane Nail Supplies
Shop 10, 521 Beams Rd, Carseldine QLD 4034
Phone : 07 38634699
Fax : 07 38634677
Web : www.brisbanenailsupplies.com.au

Section 2 - Hazards Identification

Hazardous according to criteria of Safe Work Australia

Dangerous according to the Australia Dangerous Goods Code (ADG7)

Risk Phrases:

R: 11 Highly flammable
R: 36 Irritating to eyes
R: 67 Vapours may cause drowsiness & dizziness.



Flammable

Safety Phrases:

S:7/9 Keep container tightly closed in a well ventilated area.
S: 16 Keep away from sources of ignition.
S:24/25 Avoid contact with skin and eyes.
S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance.
S: 33 Take precautionary measures against static discharges.
S: 43B In case of fire use sand, earth, chemical powder or alcohol foam type extinguisher.

SUSMP: Not regulated

ADG Classification : Class 3 PGII

UN Number : UN1219 Isopropanol

Section 3—Composition/Information on Ingredients

Ingredients:	CAS	Percentage
Isopropanol	[67-63-0]	> 98%
Non hazardous components		< 2%

Section 4 - First Aid Measures

General Information:

You should call the Poisons Information centre if you feel that you have been poisoned by this product.
Phone 13 1126 from anywhere in Australia 24 hours a day, 7 days a week. If possible have a copy of this SDS when you call.



Section 4 - First Aid Measures (Cont)

Swallowed: Do not induce vomiting. Rinse mouth with water. Keep at rest and seek medical assistance.

Skin: Remove contaminated clothing and wash skin thoroughly with soap and water.

Eyes: Hold eyes open, flood with water for at least 15 minutes and seek medical advice.

Inhaled: Remove from exposure, rest and keep warm. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

First Aid facilities:

Recommended: Eye wash. Hand wash basin.

Advice to Doctor:

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

Section 5 - Fire Fighting Measures

HAZCHEM Code: 2[Y]E

Evacuate: Yes.

Extinguishant: Foam or Water Spray

Risk of violent reaction or explosion: Yes. Vapours are heavier than air - risk of remote ignition. Closed containers may rupture explosively.

Products of combustion: Oxides of carbon, water vapour, black smoke.

Protective Equipment: Breathing apparatus and protective gloves for fire only.

Section 6 - Accidental Release Measures

Emergency Procedures:

Evacuate any unnecessary personnel.

Shut off all sources of ignition.

Increase ventilation.

Contain.

Use only non-sparking tools.

Prevent spillages from entering drains, natural waters or the environment.

For large spills: Contain spillage using sand or earth. Transfer liquid and solids to suitable closed container. Treat residues as for small spillage.

For small spills:

Absorb on inert absorbent, transfer to suitable closed container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours .



Section 7 - Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Ensure good ventilation to minimize inhalation of vapours. Protect from heat and direct sunlight and keep caps of containers tightly closed.

Conditions for safe storage:

Store in a cool, well ventilated place, out of reach of children. Store in original container. Keep container tightly closed out of direct sunlight in a cool place. Keep away from naked flames and other sources of ignition. Prevent vapours from collecting in enclosed or low lying places. Take precautionary measures against static discharges. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Incompatibles:

Natural Rubber, Butyl Rubber, EPDM, Polystyrene

Section 8 - Exposure Control and Personal Protection

National Exposure Standards:

ES-TWA: Isopropanol 400 ppm, 983 mg/m³

ES-STEL: Isopropanol 500ppm, 1230mg/m³

Biological Limit Values: No data.

Engineering Controls:

Use only flame proof equipment and non-sparking tools. Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities or if aerosol/vapour risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.

Personal Protective Equipment:

Avoid contact with skin and eyes. Avoid breathing vapours. Personal protection should take the form of safety eye wear and the use of gloves.

Section 9 - Physical and Chemical Properties

Appearance: Pale blue liquid
Odour: Sharp, alcohol odour.
pH: No data.
Vapour Pressure: 4.3 kPa @ 20 °C
Vapour Density: > 1.0 at 20 °C (Air = 1)
Boiling Point: 82 °C
Melting Point: No data.
Viscosity: No data
Volatiles: > 98 %
Volatile Organic Compounds (VOC): > 98 %
Evaporation Rate: No data
Solubilities: Miscible with water
Specific Gravity/Density: 0.785 (Water = 1)
Flash Point: 12 °C (Tag closed cup)
Flammable Limits: 1.8 - 12.0 %
Dust Explosion: Not applicable.
Auto-ignition Temperature: >350 °C



Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials, heat, ignition sources, open flames

Incompatible Materials: Natural Rubber, Butyl Rubber, EPDM, Polystyrene

Hazardous Decomposition Products: Oxides of carbon when burned.

Hazardous Reactions: Violent, explosive reactions with metal oxides, oxidising agents, halogenated organic compounds and mineral acids

Section 11 - Toxicological Information

Health Effects: No data available for the mixture. Information presented relates to individual ingredients.

Acute:

Swallowed: The single lethal dose for humans is approx. 250ml, however 100ml can be fatal. Symptoms of overexposure include: flushing, pulse rate decrease, blood pressure lowering, anaesthesia, narcosis, headaches, dizziness, mental depression, hallucinations, distorted perceptions, respiratory depression, nausea or vomiting, coma.

Skin: May cause moderate skin irritation. Skin dryness or cracking with repeated exposure is possible.

Eyes: Concentrated vapours may cause irritation of the eyes. Contact with the liquid may cause irritation and possible corneal damage.

Inhaled: High vapour concentrations may irritate the respiratory system. Prolonged exposure can lead to headache, nausea, drowsiness and loss of consciousness.

Chronic: Repeated or prolonged skin contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product. Individuals with pre existing liver or kidney disease should avoid exposure to avoid aggravation of their condition.

LD50: 5,045 mg/kg oral, rat.

TDL0: 223mg/kg oral, human

Section 12 - Ecological Information

Ecotoxicity: Fish toxicity (rainbow trout, goldfish, bluegill - LC50 (96hr) : Based on data for a similar Preparation this product is expected to be toxic to aquatic organisms.

Persistence and degradability: This product can degrade rapidly in air. This substance is expected to be removed in wastewater treatment. Based upon data for a similar components or estimated data, this product is expected to biodegrade rapidly and be 'readily' biodegradable according to OECD guidelines.

Mobility: May be readily transported by water.

Environmental Fate: No data.

Bioaccumulative potential: No data.

Other adverse environmental effects: No data.



Section 13—Disposal considerations

Small Spills and empty containers: Absorb with a suitable adsorbent and contain in plastic or metal container.
Large spills: Absorb with a suitable adsorbent and contain in plastic or metal container. Contact local council or a commercial waster disposal service for disposal method.

NOT suitable for disposal into drainage. Potentially toxic to marine organisms.

Section 14 - Transport Information

UN Number: UN 1219

UN Proper shipping name: Isopropanol

Class and subsidiary risk: 3 Flammable liquid.

Packaging group: II

Special precautions for user: Keep away from naked flames and other sources of ignition. Protect from heat and direct sunlight.

HAZCHEM Code: 2[Y]E

Material for export: Refer to **IMDG** and **IATA/ICAO**.

Section 15 - Regulatory Information

Poisons (SUSMP): Not regulated

Dangerous Goods: Yes. UN 1219 3/II.

Agricultural and Veterinary Chemicals Act: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Section 16 - Other Information

Date of SDS preparation: March 2013

Abbreviations:

NOHSC - National Occupational Health and Safety Commission.
ACGIH - American Conference of Governmental Industrial Hygienists.
MAK - Maximum workplace concentration - Germany,
(*maximale Arbeitsplatzkonzentration*)
IARC - International Agency for Research on Cancer (France).
NPT - National Toxicology Program (USA).
RTECS - Registry of Toxic Effects of Chemical Substances.
HSE - Health and Safety Executive (United Kingdom).

References:

Supplier Material Safety Data Sheets

Sax's Dangerous Properties of Industrial Materials, Richard J. Lewis Snr., pub. Canada (2000)



Section 16 - Other information (Cont)

(Available Sources of Data:

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.

Australian Dangerous Goods Code.

Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.

Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.

List of Designated Hazardous Substances [10005] - NOHSC.

Merck Index - Merck Inc.

Sax's Dangerous Properties of Industrial Materials - Lewis.

Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.

Handbook of Reactive Chemical Hazards - Bretherick.

Hawley's Condensed Chemical Dictionary - Wiley Interscience.

AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.

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