ISO CLEAN
Safety Data Sheet

1. IDENTIFICATION

Product name: ISO CLEAN

Synonyms
Isopropyl Alcohol 70%

Product Code
742

Recommended use: Surface and skin sanitiser

Supplier Name CLEAN PLUS CHEMICALS PTY LTD
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2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is classified as hazardous under GHS for Australia criteria

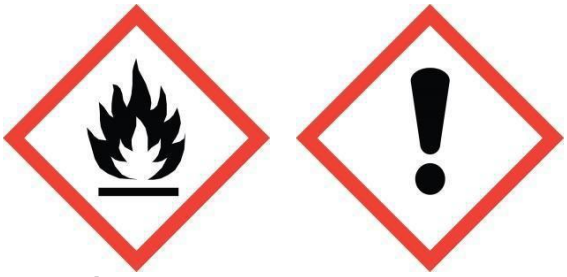
Hazardous Classification

Flammable Liquids: 2; Acute Toxicity - Dermal: 4

Hazardous Statement

Highly Flammable liquid and vapour

GHS Pictograms



Hazard Statements

H225: Highly flammable liquid and vapour

H320: Causes eye irritation

H336: May cause drowsiness or dizziness

Precautionary Statements

P403: Store in a well ventilated place.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P243: Take precautionary measures against static discharge.

P370+378: In case of fire: Use sand, earth, or chemical foam to extinguish.

Dangerous Goods Classification 3

Poisons Schedule 5

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
Isopropyl Alcohol	67-63-0	70%

4. FIRST AIDMEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

Inhalation

Remove victim from exposure if safe to do so. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume a comfortable position and keep warm. Seek medical assistance if symptoms persist.

First Aid facilities

Provide eye baths and safety showers.

Medical Attention

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

5.FIRE FIGHTING MEASURES

Fire/Explosion Hazard: This product is flammable. Fire fighters flames may burn with a colourless flame Use water fog, or fine spray mist to extinguish. Vapours are heavier than air and may accumulate in sumps, they may flash back considerable distance. Additional Information: Hazchem code 3[Y]

ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Spills will dissolve in water. Ensure that any other products of incompatible classes near the spill are removed. Dam and recover. Prevent entry into drainage systems, sewers and waterways. Collect with inert absorbent material such as sand or earth. Consult Local Authority on disposal

6.HANDLING AND STORAGE

Precautions for safe handling

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Use grounding leads to avoid discharge (electrical spark).

Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product is flammable and will fuel a fire in progress.

Incompatible materials

Natural Rubber, Butyl Rubber, EPDM, Polystyrene

7.EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 983 mg/m^3 (400 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: 1230 mg/m^3 (500 ppm), which is the maximum allowable exposure concentration at any time.

Biological limit values

No data available

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/ Body Protection: Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear, colourless liquid
Odour		Fresh lemon peel
Boiling Point/ Range	°C	82
Flash Point	°C	24
Density @ 15°C	g/ml	0.85-0.86
Vapour Density @ 20°C	kPa	> 1.00
Viscosity @ 20°C	cSt	Not applicable
Percent Volatiles	%	70
Solubility with Water	% w/w	Completely soluble
pH		6.5-7.5

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at room temperature and pressure

Conditions to avoid

Sources of heat and ignition, open flames.

11. TOXICOLOGICAL INFORMATION

Swallowed: May cause slight irritation to the mouth and digestive tract.

Eye: May cause slight irritation, and reddening

Skin: May cause slight irritation to some skins

Inhaled: Inhalation of vapour may cause slight irritation to the respiratory tract and nasal passages.

Chronic: No long-term exposure effects are known.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Dilute well with water before disposal as per Local Authority regulations not expected to

bioaccumulate in aquatic organisms.

13. DISPOSAL CONSIDERATIONS

In accordance with Local, State and Federal regulations.

Road and Rail Transport	
UN No.	1219
Proper Shipping Name	Isopropyl Alcohol
DG Class	3
Sub. Risk	None
Pack Group	II
Hazchem	• 2YE

Dangerous Goods Segregation

This product is classed as Dangerous Goods Class 3, packing group II. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

15. REGULATORY INFORMATION

Country/ Region: Australia
Inventory: AICS
Status: Listed
Poisons Schedule: 5

16. OTHER INFORMATION

Additional Information

ABBREVIATIONS:
ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EINECS - European Inventory of Existing Commercial Substances.
GHS – Globally Harmonized System
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.

mg/m3 - Milligrams per cubic meter.
NOS - Not Otherwise Specified.
NTP - National Toxicology Program.
OSHA - Occupational Safety and Health Administration.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.
TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Clean Plus Chemicals report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this Clean Plus Chemicals report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This Safety Data Sheet document has been compiled by Clean Plus Chemicals. Further clarification regarding any aspect of this product should contact Clean Plus Chemicals directly. While Clean Plus Chemicals has taken all due care to include accurate and up-

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