

**Innovative  
Coatings**

## **PRODUCT: Iso Propyl Alcohol**

### **SAFETY DATA SHEET (SDS)**

#### **SECTION 1: IDENTIFICATION OF SUBSTANCE & COMPANY DETAIL**

##### **Product**

Product Name      Iso Propyl Alcohol  
UN number          1219

Uses:                      Iso Propyl Alcohol is a liquid solvent used in cosmetics and personal care Products and application. It is also used in paint, coatings, adhesives, printing inks, disinfectants and cleaning fluid for electronics

##### **Company Details**

Company                      Innovative Coatings NZ Ltd  
                                    37 Beach Road  
                                    Richmond  
                                    Nelson 7020

Phone                        022 086 3584  
Email                        info@innovativecoatingsnz.com

**EMERGENCY TELEPHONE NUMBER :0800 POISON (0800 764 766)**

#### **SECTION 2: HAZARD IDENTIFICATION**

GHS Classification      Flammable liquids : category 2  
                                    Acute Toxicity – oral : category 5  
                                    Serious eye damage / irritation : category 2B  
                                    Specific target organ toxicity, single exposure, narcotic effects: category 3  
                                    Aspiration hazard : category 2

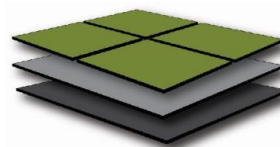
GHS label elements

Symbol(s)



Signal words

Danger



## PRODUCT: Iso Propyl Alcohol

### SAFETY DATA SHEET (SDS)

#### GHS Hazard Statements

##### Physical Hazards

**H225** Highly Flammable liquid and vapour

##### Health Hazards

**H303** May be harmful if swallowed

**H320** Causes eye irritation

**H336** May cause drowsiness or dizziness

**H305** Maybe harmful if swallowed and enters airways

##### Environmental Hazards

Not classified as an environmental hazard under GHS criteria

#### GHS Precautionary statements:

##### Prevention

**P210** Keep away from ignition sources. NO SMOKING  
**P233** Keep container tightly closed  
**P240** Ground/bond container and receiving equipment  
**P241** Use explosion proof electrical equipment  
**P242** Use only non-sparking tools  
**P243** Take precautionary measures against static discharge  
**P261** Avoid breathing vapours  
**P264** Wash hands thoroughly after handling  
**P271** Use only outdoors or in a well-ventilated area  
**P280** Wear protective gloves/protective clothing/ eye/face protection

##### Response

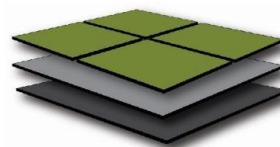
**P301+P310** **If swallowed** : Immediately call a poison centre or doctor/physician  
**P303+P361 +P353** **If on skin** : Remove immediately all contaminated clothing. Rinse skin with water / shower  
**P304+P340** **If inhaled** : Remove to fresh air and keep at rest in a position comfortable for breathing  
**P305+P351 +P338** **If in eyes** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P331** Do not induce vomiting.

##### Storage

**P403+P233** Store in a well ventilated place.  
Keep container tightly closed.  
**P235** Keep cool  
**P405** Store locked up

##### Disposal

**P501** Dispose of contents and container to appropriate waste Site in accordance with local and national regulations.



## PRODUCT: Iso Propyl Alcohol

### SAFETY DATA SHEET (SDS)

#### SECTION 3: PHYSICAL COMPOSITION

Chemical Entity	CAS No	Proportion
2 – Propanol, Isopropanol	67-63-0	100%

#### SECTION 4: FIRST AID MEASURES

IF exposed or concerned: Get medical advice / attention.  
If medical advice is needed, have product container or label at hand.  
If poisoning occurs, contact a doctor or the National Poison Information Centre.  
Phone 0800 764 766 (0800 POISON) (24 hr emergency service)

##### First Aid measures

**Inhalation:** **If inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor or Poison Centre if cough or other respiratory symptom develop.

**Skin contact:** **If on skin:** Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. If skin irritation occurs: Get medical advice. Wash contaminated clothing before re use.

**Ingestion:** **If swallowed: DO NOT** induce vomiting. Call a doctor or POISON CENTRE. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

**Eye Contact:** **If in eyes:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if possible. Continue to rinse for at least 10 minutes. If eye irritation persists: Get medical attention

**Work place facilities:** Eye wash and ready access to running water

**Notes for medical personnel:** Treat symptomatically.

# PRODUCT: Iso Propyl Alcohol

## SAFETY DATA SHEET (SDS)

### SECTION 5: FIRE FIGHTING MEASURES

**Type of Hazard:** Flammable liquid and vapor.

**Fire Hazard properties:** Vapours may form an explosive mixture in air which can be ignited by many sources, ie electrical motors, switches, pilot lights, open flames and static electricity.

**Extinguishing media & method:** Carbon dioxide, extinguishing powder, foam

**Products of combustion:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps or low lying spaces, forming potentially explosive mixtures.

**Recommended protective clothing:** Self-contained breathing apparatus (SCBA). Non-flammable overalls, gloves, safety boots

**Fire Fighting Advice:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool

**Hazchem code:** 3Y

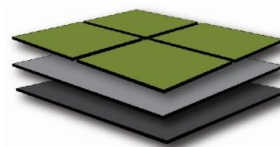
### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

- Stop the source of the leak if it is safe to do so.
- Shut off all possible sources of ignition
- Clear area of any unprotected personnel
- Wear protective equipment to prevent skin, eye and respiratory exposure.
- Work up wind or increase ventilation.
- Contain using sand, earth or vermiculite. Do not use sawdust.
- In case of a major spillage alert the Fire Brigade to location and provide a brief description of hazard.
- Prevent spillage from entering drains, sewers or water courses. If this does occur contact the regional authority immediately

**Cleanup methods:**

- Use absorbent (soil, sand and/or other inert material).
- Collect and seal in properly labelled containers or drums for disposal.
- Mop up and collect any recoverable material into labelled containers for recycling or salvage.
- Recycle containers wherever possible. Dispose of only in accordance with all regulations (see Section13)



## PRODUCT: Iso Propyl Alcohol

### SAFETY DATA SHEET (SDS)

#### SECTION 7 HANDLING & STORAGE

##### Handling

Open containers cautiously as contents may be under pressure. Use only in a well-ventilated area. Keep containers sealed when not in use. Wear appropriate protection (see Section 10). Avoid skin and eye contact and inhalation of vapour. It is essential that anyone handling this product maintains a high standard of personal hygiene, i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

##### Storage

Store in a cool, dry well-ventilated area away from sources of ignition, oxidizing agents, foodstuffs and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected from physical damage. Inspect regularly for deficiencies such as damage and leaks. Containers must bear the name, HazChem code, UN number and flammability warning. Store out of reach of children.

#### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

##### Work place exposure standards

Exposure Limits No exposure standards have been established for this material. However, exposure standards for ingredients are stated below:

Substance				TWA(ppm)
Isopropanol				200

##### TWA

Time-weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life

##### Application in the workplace

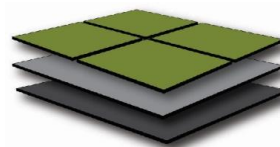
According to current knowledge these concentrations should neither impair the health, nor cause undue discomfort to, nearly all workers. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to, as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

##### Engineering Controls

Flammable liquid, maintain adequate ventilation at all times.

Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition.

Elevated temperature or mechanical action may form vapours, mists or fumes, which may require local, exhaust ventilation systems.



## PRODUCT: Iso Propyl Alcohol

### **SAFETY DATA SHEET (SDS)**

#### **Personal Protective Equipment (PPE)**

Detail specifications for equipment



**Clothing:**

Suitable workwear should be worn to protect personal clothing, e.g. cotton overalls buttoned at the neck and wrists. When large quantities are handled PVC plastic or rubber aprons and boots are recommended.



**Hand Protection:**

Protective gloves are recommended. PVA or Viton/Butyl gloves are recommended. Replace frequently. Check for wear and tear before use. Open cuts or irritated skin should not be exposed to this material



**Eye Protection:**

Avoid contact with eyes.  
Use safety glasses and/or chemical splash goggles if splashes are possible



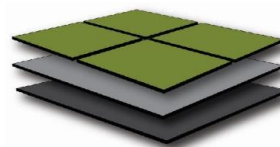
**Respiratory Protection:**

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Use a respirator with an organic vapour cartridge and a dust/mist filter. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.



**General hygiene:**

It is essential that all who come into contact with this material maintain a high standard of personal hygiene, i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.



## **PRODUCT: Iso Propyl Alcohol**

### **SAFETY DATA SHEET (SDS)**

#### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear viscous liquid with strong alcohol odour
Melting Point:	N/A
Vapour Pressure:	35mmHg
Boiling Point:	81 - 83°C
Solubility in water:	Soluble
Flammability Class:	3C
Extinguishing Media:	Foam, dry chemical, CO2
Specific Gravity:	.786g/ml
Freezing Point:	N/A
Flash Point:	12°C
Auto Ignition Temp:	399°C
Decomposition point:	N/A

#### **SECTION 10 STABILITY AND REACTIVITY**

Stability of the substance	Stable under normal conditions
Conditions to avoid	Heat, sparks, flame and buildup of static electricity.
Material to avoid	Aldehydes, Amines, Strong Oxidisers
Hazardous decomposition products	Emits oxides of carbon when heated to decomposition
Hazardous reactions	None known

#### **SECTION 11 TOXICOLOGICAL INFORMATION**

Acute Toxicity	
Acute Oral Toxicity	LD50 rat : >2000mg / kg
Acute Inhalation Toxicity	LC50 rat : >20mg/L/8 hours
Acute Dermal Toxicity	LD50 rabbit : >2000mg / kg

#### **Summary**

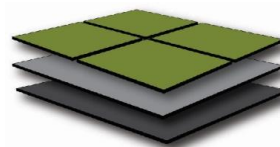
**If swallowed:** can result in nausea, vomiting and central nervous system depression. If the vomit enters the lungs chemical pneumonia or varying degrees of pulmonary injury and possible death may occur.

**If in eyes:** may cause eye irritation, resulting in pain and conjunctivitis

**If on skin:** may cause skin irritation, causing redness, swelling or blistering

**If inhaled:** may cause respiratory irritation with coughing, nausea. Inhalation may also cause central nervous system depression with headaches, dizziness, drowsiness, incoordination

**Chronic Toxicity:** Prolonged exposure to hydrocarbons can cause nerve damage (CNS) and affect the liver and kidneys



## PRODUCT: Iso Propyl Alcohol

### SAFETY DATA SHEET (SDS)

#### SECTION 12 ECOLOGICAL INFORMATION

##### Summary

Product is readily biodegradable.

##### Supporting Data

Ecotoxicity:	Harmful to aquatic life.
Fish:	LC/EC/IC50 >100mg/L
Aquatic Invertebrates:	LC/EC/IC50 >1000mg/L
Algae:	LC/EC/IC50 >1000mg/L
Mobility:	Soluble in water.
Persistence/Degradability	Readily degradable. Oxidizes by photochemical reaction in the air
Bio accumulative Potential	Not bioaccumulative

#### SECTION 13 DISPOSAL CONSIDERATIONS

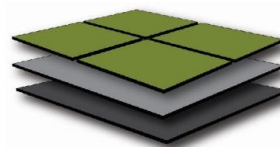
Disposal information	Dispose of waste according to local and national regulations. Labels should not be removed from containers until they have been cleaned.
Relevant information	This is a flammable product and should be treated with care
Container Disposal	Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill for mild steel or incineration for polyethylene containers as appropriate. Do not incinerate closed containers

#### SECTION 14 TRANSPORT INFORMATION

Transport according to NZS 5433 (Transport of Hazardous Substances on Land).  
Considered a dangerous good for transport

UN Number:	1219	Proper shipping name	Iso Propyl Alcohol
Class	3	Packing Group	II
Hazchem Code	2(Y)	Precautions	Flammable





## **PRODUCT: Iso Propyl Alcohol**

### **SAFETY DATA SHEET (SDS)**

#### **SECTION 15 REGULATORY INFORMATION**

##### **Specific Workplace Controls**

Key workplace requirements are;

SDS	To be available within 10 minutes where product is stored
Labelling	No removal of labels. Original label must be retained
Emergency plan	Required if >10,000L is stored
Approved handler	Not required
Tracking	Not required
Bundling & secondary containment	Required if >10,000L is stored
Signage	Required if >1,000L is stored
Location Test Certificate	Required if >500L (containers>5L), 1,500L (containers< or =5L), 250L (in use) is stored in any one location
Flammable zone	Must be established if >100L closed containers, 25L decanting, 5L (open occasionally), 1L (in use) stored in any one location
Fire Extinguisher	If >500L present

Note: The above workplace requirements apply if only this particular substance is present.

The complete set of controls for a location will depend on the classification and total quantities of Other substances present in that location.

##### **Other Legislation**

In New Zealand the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Safety at Work (General Risk and Workplace Management) Regulations 2016 and local Council Rules and Regional Council plans.

#### **SECTION 16 OTHER INFORMATION**

Additional information	New Zealand National Poison Centre (24hours) 0800 POISON (764 766) New Zealand Emergency Services: 111
------------------------	--

##### **Review**

Version Date:	12/05/2025
Review Date:	11/05/2030

##### **Note**

*All information given by Innovative Coatings NZ Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.*