



# SAFETY DATA SHEET

**COOLSAN**

Infosafe No.: 7EF8K  
ISSUED Date : 29/09/2016  
ISSUED by: JASOL NEW ZEALAND

**CLASSIFIED AS HAZARDOUS**

## 1. IDENTIFICATION

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**GHS Product Identifier**

COOLSAN

**Product Code**

2071660, 2071650, 2073680, 7108160

**Company Name**

JASOL NEW ZEALAND

**Address**

81 Leonard Road  
Mt. Wellington Auckland  
1060 New Zealand

**Telephone/Fax Number**

Tel: +64 9 580 2105  
Fax: +64 9 571 4388

**Emergency phone number**

0800 243 622

**Emergency Contact Address**

North Island:  
81 Leonard Road, Mt. Wellington, Auckland 1060  
Phone: +64 9 5802105  
Fax: +64 9 5714388

South Island:  
105 Rutherford Street, Christchurch 8023  
Phone: +64 3 3844433  
Fax: +64 3 3844431

**(24 hour a day available)**

0800 243622

**E-mail Address**

jasolnzorders@gwf.com.au

**Recommended use of the chemical and restrictions on use**

Hand Sanitiser, Surface Sanitiser.

## 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

3.1B Flammable liquid: high hazard

6.4A Substance that is irritating to the eyes

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**Precautionary Statement (s)**

P103 Read label before use.

**Pictogram (s)**

Flame, Exclamation mark



**Precautionary statement – 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/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – 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 for extinction.

**Precautionary statement – Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

**Precautionary statement – Disposal**

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

Name	CAS	Proportion
Ethanol	64-17-5	60 - 80%
Dye	-	<0.1
Water	7732-18-5	Remainder

### 4. FIRST-AID MEASURES

**Inhalation**

Due to product form / nature of use, an inhalation hazard is not anticipated.

**Ingestion**

For advice, contact the National Poisons Centre at 0800 764 766 (0800 POISON) or +643 479 7248 or a doctor (at once).

### **Skin**

If an irritation or rash develops, gently flush affected areas with water and discontinue use.

### **Eye contact**

If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

### **First Aid Facilities**

Normal washroom facilities.

### **Advice to Doctor**

1. Most Important Symptoms and Effects, Both Acute and Delayed:

- Adverse effects not expected from this product under normal conditions of use.

2. Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

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### **Suitable Extinguishing Media**

Water fog or foam. Prevent contamination of drains and waterways.

### **Specific Hazards Arising From The Chemical**

Highly flammable. May evolve carbon oxides and hydrocarbons when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, etc when handling.

### **Hazchem Code**

2YE

### **Decomposition Temperature**

Not available

### **Other Information**

Advice for Firefighters:

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Emergency Procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

### **Methods And Materials For Containment And Cleaning Up**

If spilt (bulk), mop up area. CAUTION: Spill site may be slippery.

### **Environmental Precautions**

Prevent product from entering drains and waterways.

### **Other Information**

Reference to Other Sections:

See Sections 8 and 13 for exposure controls and disposal.

## **7. HANDLING AND STORAGE**

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### **Precautions for Safe Handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

Material	TWA	STEL	Peak
ethanol (ethyl alcohol)	1000ppm, 1880mg/m <sup>3</sup>	Not available	Not available

### Appropriate Engineering Controls

- Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. 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.

### Personal Protective Equipment

Eye / Face:

- Not required under normal conditions of use.

Hands:

- Not required under normal conditions of use.

Body:

- Not required under normal conditions of use.

Respiratory:

- Not required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Liquid

### Appearance

Liquid

### Colour

Clear blue

### Odour

Characteristic alcoholic odour

### Decomposition Temperature

Not available

### Melting Point

Not available

### Boiling Point

Not available

### Solubility in Water

Miscible

### Specific Gravity

0.87

### pH

7 (approximately)

### Vapour Pressure

5.8 @ 20°C

### Vapour Density (Air=1)

Not available

### Evaporation Rate

Not available

### Viscosity

13,000cps

**Volatile Component**

100%

**Flash Point**

24°C

**Auto-Ignition Temperature**

Not available.

**Explosion Limit - Upper**

19%

**Explosion Limit - Lower**

3.5%

**Molecular Weight**

Not applicable

## 10. STABILITY AND REACTIVITY

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**Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**Chemical Stability**

Stable under recommended conditions of storage.

**Conditions to Avoid**

Avoid contact with incompatible substances.

**Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), heat and ignition sources

**Hazardous Decomposition Products**

May evolve carbon oxides and hydrocarbons when heated to decomposition.

**Possibility of hazardous reactions**

Hazardous polymerization is not expected to occur.

## 11. TOXICOLOGICAL INFORMATION

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**Ingestion**

Ingestion of large quantities may result in nausea, vomiting, intoxication and gastrointestinal irritation.

**Inhalation**

Due to the low vapour pressure, an inhalation hazard is not anticipated with normal use.

**Skin**

Prolonged or repeated contact may result in mild irritation. Some individuals may experience allergic reaction.

**Eye**

Contact may result in irritation, lacrimation, pain and redness.

**Skin corrosion/irritation**

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (non-allergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis.

**Health Hazard**

This product may present a hazard with direct eye contact. Liver damage (cirrhosis) and central nervous system (CNS) depression may occur with high level or chronic ingestion of ethanol. However, due to the nature of use, adverse health effects are not anticipated

**Chronic Effects**

- Limited evidence suggests that repeated or long-term occupational exposure to ethanol may produce cumulative health effects involving organs or biochemical systems.
- Long-term exposure to ethanol may result in progressive liver damage with fibrosis or may exacerbate liver injury caused by other agents. Repeated ingestion of ethanol by pregnant women may adversely affect the central nervous system of the developing foetus, producing effects collectively described as foetal alcohol syndrome.
- Consumption of ethanol (in alcoholic beverages) may be linked to the development of Type I hypersensitivities in a small number

of individuals.

## 12. ECOLOGICAL INFORMATION

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### **Ecotoxicity**

No information provided.

### **Persistence and degradability**

No information provided.

### **Mobility**

No information provided.

### **Bioaccumulative Potential**

Not expected to bioaccumulate.

### **Other Adverse Effects**

This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities.

## 13. DISPOSAL CONSIDERATIONS

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### **Waste Disposal**

- For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site.
- Contact the manufacturer/supplier for additional information if disposing of large quantities (if required).

### **Local Legislation**

Recycle where possible otherwise ensure that:

- Licenced contractors dispose of the product and its container.
- Disposal occurs at a licenced facility.

## 14. TRANSPORT INFORMATION

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### **U.N. Number**

1170

### **UN proper shipping name**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

### **Transport hazard class(es)**

3

### **Sub.Risk**

None

### **Packing Group**

II

### **Hazchem Code**

2YE

### **IERG Number**

14

### **UN Number (Sea Transport)**

1170

### **UN Number (Road Transport)**

1170

### **UN Number (Air Transport, ICAO)**

1170

### **IATA/ICAO Hazard Class**

3

### **IATA/ICAO Packing Group**

II

**IATA/ICAO Sub Risk**

None

**LIMITED QUANTITY - Max Net Quantity/Pkge**

1L

**IMDG UN No**

1170

**IMDG Hazard Class**

3

**IMDG Sub. Risk**

None

**IMDG Pack. Group**

II

**IMDG Subsidiary Risk**

None

**IMDG Marine pollutant**

No

**IMDG EMS**

Fire: F-E, Spill: S-D

## 15. REGULATORY INFORMATION

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**National and or International Regulatory Information**

Ethanol (CAS: 64-17-5) is found on the following regulatory lists;

"GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "IMO Provisional Categorization of Liquid Substances - List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO", "International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Council of Chemical Associations (ICCA) - High Production Volume List", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Veterinary Medicines", "New Zealand Inventory of Chemicals (NZIoC)", "New Zealand Workplace Exposure Standards (WES)", "OECD Representative List of High Production Volume (HPV) Chemicals".

Water (CAS: 7732-18-5) is found on the following regulatory lists;

"IMO IBC Code Chapter 18: List of products to which the Code does not apply", "New Zealand Inventory of Chemicals (NZIoC)", "OECD Representative List of High Production Volume (HPV) Chemicals".

**HSNO Approval Number**

HSR006424

**Other Information**

Specific advice on controls required for materials used in New Zealand can be found at <http://www.epa.govt.nz/hazardous-substances/approvals/Pages/default.aspx>.

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

29/09/2016

**Technical Contact Numbers**

24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)

New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)

New Zealand Emergency Services: 111

## Other Information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Jasol NZ cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Jasol NZ representative or Jasol NZ at the contact details on page 1.

Jasol NZ's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

## END OF SDS

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