

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : INSTANT HAND SANITIZER GEL

Other means of identification : Not applicable.

Recommended use : Hand Sanitizer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : ECOLAB PTY LTD
2 Drake Avenue
Macquarie Park, NSW Australia 2113
1 800 022 002

Emergency telephone number : 1800 205 506, +64 7 958 2372

Issuing date : 26.04.2020

Section: 2. HAZARDS IDENTIFICATION
GHS Classification

Flammable liquids : Category 3

Serious eye damage/eye irritation : Category 2A

Specific target organ toxicity - single exposure : Category 3 (Central Nervous System)

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statements : **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Keep container tightly closed. Use only outdoors or in a well-ventilated area.

Response:
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Storage:
Store in a well-ventilated place. Keep cool.

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Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration: (%)
ethanol	64-17-5	30 - 60
Isopropyl Alcohol	67-63-0	5 - 10
triethanolamine	102-71-6	0.1 - 1
Propylene glycol	57-55-6	0.1 - 1

Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse with water.

In case of skin contact : Get medical attention if symptoms occur.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Fire Hazard
Keep away from heat and sources of ignition.
Flash back possible over considerable distance.
Beware of vapours accumulating to form explosive concentrations.
Vapours can accumulate in low areas.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides

Special protective equipment for firefighters : Use personal protective equipment.

Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

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Hazchem Code : ●2Y

Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section: 7. HANDLING AND STORAGE

- Advice on safe handling : No special handling advice required.
- Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 0 °C to 25 °C

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,880 mg/m ³	AU OEL
Isopropyl Alcohol	67-63-0	TWA	400 ppm 983 mg/m ³	AU OEL
		VLE	500 ppm 1,230 mg/m ³	AU OEL
triethanolamine	102-71-6	TWA	5 mg/m ³	AU OEL
Propylene glycol	57-55-6	TWA	150 ppm 474 mg/m ³	AU OEL
		TWA	10 mg/m ³	AU OEL

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

- Eye protection : Safety glasses should be worn when used as a hard surface sanitiser during occupational use.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.

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Respiratory protection : No personal respiratory protective equipment normally required.
Hygiene measures : No specific measures identified.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : gel
Colour : clear, colourless
Odour : alcohol-like
pH : 7.0, (100 %)
Flash point : 27 °C closed cup, Sustains combustion
Odour Threshold : no data available
Melting point/freezing point : no data available
Initial boiling point and boiling range : no data available
Evaporation rate : no data available
Flammability (solid, gas) : Not applicable.
Upper explosion limit : no data available
Lower explosion limit : no data available
Vapour pressure : no data available
Relative vapour density : no data available
Relative density : 0.84 - 0.94
Water solubility : no data available
Solubility in other solvents : no data available
Partition coefficient: n-octanol/water : no data available
Auto-ignition temperature : no data available
Thermal decomposition : no data available
Viscosity, kinematic : 3658.259 mm²/s (40 °C)

Explosive properties : no data available
Oxidizing properties : The substance or mixture is not classified as oxidizing.
Molecular weight : no data available
VOC : no data available

Section: 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid : Heat, flames and sparks.
Incompatible materials : None known.

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Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes serious eye irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Acute ingestion of an ingredient in the product has caused central nervous system effects in humans.
Inhalation : Inhalation may cause central nervous system effects.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Pain, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : Dizziness, Drowsiness

Toxicity

Product

Acute oral toxicity : no data available
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Skin corrosion/irritation : no data available
Serious eye damage/eye irritation : no data available
Respiratory or skin sensitization : no data available
Carcinogenicity : no data available
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT - single exposure : no data available
STOT - repeated exposure : no data available
Aspiration toxicity : no data available

Components

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Acute oral toxicity : ethanol
LD50 rat: 10,470 mg/kg

Isopropyl Alcohol
LD50 rat: 5,840 mg/kg

triethanolamine
LD50 rat: 6,400 mg/kg

Propylene glycol
LD50 rat: 22,000 mg/kg

Components

Acute inhalation toxicity : ethanol
4 h LC50 rat: 117 mg/l Test atmosphere: vapour

Isopropyl Alcohol
4 h LC50 rat: > 30 mg/l Test atmosphere: vapour

Propylene glycol
4 h LC50 rat: > 158.5 mg/l Test atmosphere: dust/mist

Components

Acute dermal toxicity : ethanol
LD50 rabbit: > 15,800 mg/kg

Isopropyl Alcohol
LD50 rabbit: 12,870 mg/kg

Section: 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Components

Toxicity to fish : ethanol
96 h LC50 Pimephales promelas (fathead minnow): > 100 mg/l

Isopropyl Alcohol
96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l

triethanolamine
96 h LC50: 11,800 mg/l

Propylene glycol
96 h LC50: > 10,000 mg/l

Components

Toxicity to daphnia and other : Isopropyl Alcohol

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aquatic invertebrates LC50 Daphnia magna (Water flea): > 10,000 mg/l

triethanolamine
48 h EC50: 609.88 mg/l

Propylene glycol
48 h EC50: 18,340 mg/l

Components

Toxicity to algae : triethanolamine
72 h EC50: > 100 mg/l

Propylene glycol
96 h EC50: 19,000 mg/l

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

no data available

Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (ADG)

UN number : 1170
Description of the goods : ETHANOL SOLUTION
Class : 3
Packing group : III
Hazchem Code : ●2Y
Environmentally hazardous : No

Sea transport (IMDG/IMO)

UN number : 1170
Description of the goods : ETHANOL SOLUTION
Class : 3

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Packing group : III
Marine pollutant : No

Section: 15. REGULATORY INFORMATION

National regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

The components of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations :
not determined

United States TSCA Inventory :
All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :
All components of this product are on the Canadian DSL.

Australia. Industrial Chemical (Notification and Assessment) Act :
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :
On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :
On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
On the inventory, or in compliance with the inventory

China Inventory of Existing Chemical Substances :
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory :
not determined

Section: 16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
IARC: (International Agency for Research on Cancer)
US. National Toxicology Program (NTP) Report on Carcinogens
ECHA List of Publishable Substances Registered
EU HPVCs (High Production Volume Chemicals)

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REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.