

## GHS Safety Data Sheet

Issue Date: 2 February 2021

## Section 1 – Identification

Product identifier	Alcohol Hand Sanitizer
Other identification: Product code/s	CDR3008-300ML CDR3008-500ML
Recommended use	Hand sanitizing
Supplier	DuPREX Singapore Private Limited 5047 Ang Mo Kio Industrial Park 2, #01-607, Singapore 569550
Telephone	+65-64823300
Email	<a href="mailto:sales@duprex.com">sales@duprex.com</a>

## Section 2 – Hazard identification

GHS classification	Flammable Liquid Category 2 Eye Irritation – Category 2
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## Label elements



Signal word	<b>Danger</b>
Hazard statement	H225: Highly flammable liquid H319: Cause serious eye irritation
Precautionary statement	<b>Prevention</b> P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P264: Wash hand thoroughly after handling. <b>Response</b> P305+P351+P338: IF ON 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. <b>Storage</b> P403+P235: Store in a well-ventilated area. Keep cool. <b>Disposal</b> P501: Dispose of content/container in accordance to local regulation.

## Section 3 – Composition/information on ingredients

Ingredients	Name	CAS number	% W/W
	Ethanol	64-17-5	VH
	Glycerin	56-81-5	VL
	Chlorhexidine Gluconate	18472-51-0	VL
	Water		to 100%
Percentage Legend: VL < 1%, L ≥ 1-10%, M ≥ 11-30% H ≥ 31-60% VH > 60%			

## Section 4 – First-aid measures

Eye contact	Rinse slowly with water for at least 15 minutes. If irritation persists, get medical attention.
Skin	No adverse effects expected, rinse off with water.
Inhalation	Move to fresh air and keep at rest to recover. If symptom persists, seek medical attention.
Ingestion	Do not induce vomiting. Drink water to dilute. Get medical treatment.

## Section 5 – Fire-fighting Measures

Extinguishing media	Use fire extinguishing media appropriate to surrounding environment
Special hazard arising from substance / mixture	This product is combustible. Fire may lead to form hazardous air mixtures
Advice for Fire Fighter	Wear full protective clothing and self-contained breathing apparatus

**Section 6 – Accidental release measures**

<b>Personal</b>	Use protective equipments as needed
<b>Environmental</b>	Prevent large amounts of spill from entering ground water system
<b>Procedures for clean-up</b>	Cover with absorbent material and remove to disposal container

**Section 7 – Handling and storage**

<b>Precautions for safe handling</b>	No special precautions necessary. Follow good handling practice.
<b>Conditions for safe storage</b>	Keep away from heat or flame. Store in cool, dry and well-ventilated area at room temperature. Keep in tightly closed container.

**Section 8 – Exposure control/personal protection**

<b>Occupational exposure limit values</b>	Ethanol: Workplace Exposure Limit (WEL) Standard Time Weighted Average (TWA) : 1,000ppm – 8 hours Glycerin (mist): Workplace Exposure Limit (WEL) Standard Time Weighted Average (TWA): 10mg/m <sup>3</sup> – 8 hours
<b>Biological limit values</b>	No information available
<b>Engineering controls</b>	Adequate localise ventilation
<b>Respiratory protection</b>	No special protection is required
<b>Eye protection</b>	Not required under normal recommended use conditions
<b>Hand protection</b>	None required under normal use conditions
<b>Skin protection</b>	Not required under normal use conditions

**Section 9 – Physical and chemical properties**

<b>Appearance</b>	Clear
<b>Odour</b>	Typical odour
<b>Melting point</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Solubility in water</b>	Soluble
<b>Specific gravity</b>	0.87 ± 0.01g/cm <sup>3</sup>
<b>pH</b>	5.0 – 6.0
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Viscosity</b>	Not available
<b>Flash point</b>	≥ 23.0 °C (TCC)
<b>Auto-Ignition temp.</b>	Not available
<b>Flammable limits-Lower</b>	Not determined
<b>Flammable limits-Upper</b>	Not determined

**Section 10 – Stability and reactivity**

<b>Reactivity/incompatibility</b>	Oxidizers, acids and bases
<b>Chemicals stability</b>	Stable under normal conditions
<b>Possibility of hazardous reactions</b>	No information available
<b>Conditions to avoid</b>	Extreme heat and open flame
<b>Hazardous decomposition products</b>	Will not occur

**Section 11 – Toxicological information**

<b>Effect on humans</b>	No toxicity data available
<b>Inhalation</b>	Not considered as irritant through normal use conditions
<b>Ingestion</b>	May cause discomfort if swallowed

**Section 11 – Toxicological information**

<b>Skin</b>	Not considered as hazardous on skin
<b>Eye contact</b>	Not expected under normal use conditions
<b>Respiratory sensitization</b>	Not expected to be a respiratory sensitizer
<b>Skin sensitization</b>	Not regarded as a skin sensitizer
<b>Germ cell mutagenicity</b>	Not regarded as a mutagenic hazard
<b>Carcinogenicity</b>	Not regarded as a carcinogenic hazard
<b>STOT-single exposure</b>	No toxicity data available
<b>STOT-repeated exposure</b>	No toxicity data available
<b>Aspiration hazard</b>	Not expected to be a hazard

**Section 12 – Ecological information**

The information given is based on data available on the components and similar products.

<b>Ecotoxicity</b>	Not regarded as harmful for the environment
<b>Persistence and degradability</b>	Expected to be readily biodegradable
<b>Bio accumulative potential</b>	Does not expect to be bio-accumulating
<b>Mobility in soil</b>	Not available
<b>Other adverse effects</b>	Not determined

**Section 13 – Disposal considerations**

Dispose in accordance with local regulations.

No specific disposal method is required. If practical, recover and recycle or reclaim.

**Section 14 – Transportation information**

<b>UN number</b>	1170
<b>UN proper shipping name</b>	Ethanol solution
<b>Transport hazard class</b>	3
<b>Packing group</b>	III
<b>Marine pollutant</b>	No
<b>Transport in bulk</b>	Not applicable
<b>Special precautions for user</b>	Not applicable

**Section 15 – Regulatory information****Related Regulations**

Classification is according to the Specification for Hazardous Communication for Chemicals and Dangerous Goods – Singapore Standard SS586 : 2008 -Globally Harmonised System of Classification and Labelling of Chemicals – Singapore's adaptation.

MOM - The Workplace Safety and Health Act, the Workplace Safety and Health (General Provisions) Regulations.

NEA – Environmental Protection and Management Act, Regulations.

MPA – Dangerous Goods, Petroleum and Explosives Regulations.

SCDF – The Fire Safety Act and the Fire Safety Regulations.

**Section 16 – Other information**

<b>Revision date</b>	01/02/2021
<b>Revision</b>	9
<b>Supersede date</b>	02/01/2021

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