



Hand Sanitizer Gel Alcohol Hand Rub



GHS Safety Data Sheet

Issue Date: 2 January 2020

Section 1 – Identification

Product identifier	MaxShield Hand Sanitizer Gel Alcohol Hand Rub 500ml e
Other identification	Product code: CDS4956–500ML
Recommended use	Hand sanitizing
Supplier	DuPREX Singapore Private Limited 5047 Ang Mo Kio Industrial Park 2, #01-607, Singapore 569550 +65-64823300 sales@duprex.com
Telephone	
Email	

Section 2 – Hazard identification

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



Signal word	Danger
Hazard statement	H225: Highly flammable liquid H319: Cause serious eye irritation

Precautionary statement	Prevention P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P264: Wash hand thoroughly after handling. Response 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. Storage P403+P235: Store in a well-ventilated area. Keep cool. Disposal P501: Dispose of content/container in accordance to local regulation.
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Section 3 – Composition/information on ingredients

Ingredients	Name	CAS number	% W/W
	Ethyl Alcohol	64-17-5	VH
	Glycerin	56-81-5	VL
	Carbomer	9003-01-4	VL
	Chlorhexidine Gluconate	18472-51-0	VL
	Trehalose	99-20-7	VL
	Vitamin E	1406-18-4	VL
	Aloe Vera Extract	94349-62-9	VL
	Water		to 100%
Percentage Legend: VL < 1%, L ≥ 1-10%, M ≥ 11-30% H ≥ 31-60% VH > 60%			



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Section 4 – First-aid measures

Eye contact	Rinse slowly with water for at least 15 minutes. Get medical attention, if irritation persists.
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

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

Section 7 – Handling and storage

Precautions for safe handling	No special precautions necessary. Follow good handling practice.
Conditions for safe storage	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

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

Section 9 – Physical and chemical properties

Appearance	Clear
Odour	Typical odour
Melting point	Not determined
Boiling point	Not determined
Solubility in water	Soluble
Specific gravity	0.90 ± 0.01g/cm ³
pH	6.5 – 7.5
Vapor pressure	Not available
Vapor density	Not available
Viscosity	Not available
Flash point	23.5 °C (TCC)
Auto-Ignition temp.	Not available
Flammable limits-Lower	Not determined
Flammable limits-Upper	Not determined



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Section 10 – Stability and reactivity

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

Section 11 – Toxicological information

Effect on humans	No toxicity data available
Inhalation	Not considered as irritant through normal use conditions
Ingestion	May cause discomfort if swallowed
Skin	Not considered as hazardous on skin
Eye contact	Not expected under normal use conditions
Respiratory sensitization	Not expected to be a respiratory sensitizer
Skin sensitization	Not regarded as a skin sensitizer
Germ cell mutagenicity	Not regarded as a mutagenic hazard
Carcinogenicity	Not regarded as a carcinogenic hazard
STOT-single exposure	No toxicity data available
STOT-repeated exposure	No toxicity data available
Aspiration hazard	Not expected to be a hazard

Section 12 – Ecological information

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

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

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



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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

Revision date 02/01/2020

Revision 6

Supersede date 01/04/2018

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