

### GHS Safety Data Sheet

Issue Date: 1 April 2018

#### Section 1 – Identification

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

#### Section 2 – Hazard identification

**GHS classification** Flammable Liquid Category 2  
Eye Irritation – Category 2

#### 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+P3338: 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.

#### 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%**

**GHS Safety Data Sheet**

Issue Date: 1 April 2018

**Section 4 – First-aid measures**

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

**Section 5 – Fire fighting Measures**

<b>Extinguishing media</b>	Use fire extinguishing media appropriate to surrounding environment
<b>Special hazard arising from substance / mixture</b>	This product is combustible. Fire may lead to form hazardous air mixtures
<b>Advice for Fire Fighter</b>	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
<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>	0.90 ± 0.01g/cm <sup>3</sup>
<b>pH</b>	6.5 – 7.5
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Viscosity</b>	Not available
<b>Flash point</b>	23.5 °C (TCC)
<b>Auto-Ignition temp.</b>	Not available
<b>Flammable limits-Lower</b>	Not determined
<b>Flammable limits-Upper</b>	Not determined

**GHS Safety Data Sheet**

Issue Date: 1 April 2018

**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
<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



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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 01/04/2018

Revision 5

Supersede date 01/01/2018

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