

**SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION**

Product name	MD-7050-S Non Alcohol Disinfectant Spray (500 ml)
Product code	MD-7050-S
Brand	Greenwipes®
Product use	For healthcare industry
Manufacturer	RPD Sdn Bhd
Address	15 Jalan Astana 1C, Gateway Industrial Park, Bukit Raja, 41050, Klang Slangor, Malaysia
Telephone	60 333 115 981

**SECTION 2 : HAZARD IDENTIFICATION**

Clear, colorless liquid with a mild characteristic odor.

Emergency Overview: Contains Quaternary Ammonium Compounds.  
Not flammable.  
May cause skin irritation with prolonged or repeated contact.  
Causes eye irritation.  
Harmful to aquatic life with long lasting effects.

Avoid contact with eyes and prolonged skin contact. Avoid breathing spray mist. Use appropriate personal protective equipment when handling.

EU Classification (1272/2008 CLP): Skin Irritation (Category 2), Eye Irritation (Category 2), Hazardous to the Aquatic Environment – Chronic (Category 2)

US OSHA Classification (29 CFR 1910.1200):

Skin Irritation: Category 2  
Eye Irritation: Category 2A

GHS Classification:

Skin corrosion/irritation: Category 2  
Serious eye damage/eye irritation: Category 2A  
Hazardous to the aquatic environment (Chronic): Category 2

GHS Label Elements:



Hazard Pictograms:



**Hazard Statements:**

Causes serious eye irritation.  
Toxic to aquatic life with long lasting effects.  
Causes skin irritation.

**Precautionary Statements:**

Avoid contact with eyes and prolonged skin contact.  
Avoid breathing spray mist  
Avoid release to the environment.  
Wear protective gloves and eye protection when handling.

**SECTION 3 : COMPOSITION OR INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No/EINECH-No	% (by weight)	EU Classification (67/548/EEC)
Alkyl dimethyl benzyl ammonium chloride	68424-85-1 / 270-325-2	0.1 – 0.5%	Irritant (Xi); R36/38, Dangerous for the environment (N); R50/53
Non-hazardous surfactants	Proprietary	< 1%	Not classified as hazardous
Deionized Water	7732-18-5 / 231-791-2	Balance	Not classified as hazardous

**SECTION 4 : FIRST AID MEASURES**

**If inhaled:**

Remove the person to fresh air if discomfort occurs. Inhalation exposure is unlikely under normal conditions of use. Seek medical advice if symptoms persist.

**In case of eye contact:**

Immediately rinse eyes cautiously with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek medical attention.

**If swallowed:**

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur or persist.

**SECTION 5 : FIRE FIGHTING MEASURES**

**Suitable extinguishing media:**

Use extinguishing media appropriate for the surrounding fire, such as water spray, foam, carbon dioxide (CO<sub>2</sub>), or dry chemical powder.

**Unsuitable extinguishing media:**

None known.

**Specific hazards arising from the substance:**

The product is not flammable. In case of fire, decomposition products may include carbon oxides and nitrogen oxides.

**Special protective equipment for firefighters:**

Firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing when fighting fires involving chemicals.

Additional advice: Cool containers exposed to fire with water spray to prevent rupture. Avoid runoff into drains and waterways.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes and prolonged skin contact. Avoid breathing spray mist. Wear appropriate personal protective equipment, such as gloves and eye protection, during cleanup.

Environmental Precautions: Prevent products from entering drains, surface water, or soil.

Cleanup Precautions: Absorb spilled liquid with inert absorbent materials (e.g., paper towels, sand, or earth). Place collected material in a suitable, labeled container for disposal. Clean the affected area with water after material removal.

## SECTION 7 : HANDLING AND STORAGE

Advice on protection against fire and explosion: No special measures are required. The product is not flammable.

Advice on safe handling: Avoid contact with eyes and prolonged or repeated skin contact. Use appropriate personal protective equipment when handling. Follow standard industrial and healthcare hygiene practices. Do not eat, drink, or smoke when using this product.

Hygiene measures: Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. General industrial hygiene practices should be observed..

## SECTION 8 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Chemical Name	Exposure Limit(s)
Quaternary Ammonium Compounds	No occupational exposure limit established
Deionized Water	No occupational exposure limit established.

Engineering Controls: Use in a well-ventilated area. Local exhaust ventilation is recommended if prolonged or repeated spraying is performed.

Respiratory Protection: Not normally required under normal conditions of use. Use respiratory protection if ventilation is insufficient or during prolonged spraying.

Hand Protection: Protective gloves are recommended during prolonged or repeated contact.

Eye Protection: Safety glasses or goggles are recommended when spraying.

Skin and Body Protection: No special protective clothing required under normal conditions of use.

Hygiene Measures: Wash hands thoroughly after handling. Avoid breathing spray mist. Do not eat, drink, or smoke while using this product.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

Property	Description
Physical state	Liquid
Appearance	Clear, colorless liquid
Odor	Mild characteristic odor
Odor threshold	Not determined
pH	Approximately 6.0 – 8.0
Melting point/Freezing point	Not applicable
Boiling point / Boiling range	Not applicable (aqueous solution)
Flash point	Not applicable (non-flammable)
Evaporation rate	Not applicable
Burning rate	Not applicable
Upper explosion limit / Upper flammability limit	Not applicable
Lower explosion limit / Lower flammability limit	Not applicable
Flammability	Not flammable
Vapor pressure	Not determined / negligible
Relative vapour density	Not applicable
Relative density	Approximately 1.0
Solubility	Soluble in water
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature	Not applicable
Decomposition temperature	No decomposition under normal conditions of storage and use

**SECTION 10 : STABILITY AND REACTIVITY**

Property	Description
Chemical stability	Stable under normal conditions of storage and use.
Possibility of hazardous reactions	No hazardous reactions are known under normal conditions of use.
Conditions to avoid	Avoid extreme heat and freezing conditions. Avoid

	contamination of the product.
Incompatible materials	Strong oxidizing agents. Strong acids and strong bases.
Hazardous decomposition products	Under fire conditions, decomposition products may include carbon oxides and nitrogen oxides.

## SECTION 11 : TOXICOLOGICAL INFORMATION

Property	Description
Acute toxicity	Not expected to be acutely toxic under normal conditions of use.
Skin corrosion/irritation	May cause skin irritation with prolonged or repeated contact.
Serious eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitization	Not expected to be a skin or respiratory sensitizer.
Germ cell mutagenicity	Not classified as mutagenic based on available data.
Carcinogenicity	Not classified as carcinogenic (IARC, NTP, OSHA).
Reproductive toxicity	No known adverse effects on reproduction.
STOT – single exposure	Not expected to cause target organ effects under normal conditions of use.
STOT – repeated exposure	Not expected to cause target organ effects under normal conditions of use.
Aspiration hazard	Not applicable for wipe form.

## SECTION 12 : ECOLOGICAL INFORMATION

Aspect	Description
Ecotoxicity	Harmful to aquatic organisms. Large releases may cause adverse effects in aquatic environments.

Persistence and degradability	Quaternary ammonium compounds are not readily biodegradable and may persist in the environment.
Bioaccumulative potential	Low to moderate bioaccumulation potential based on available data.
Mobility in soil	Moderate mobility. The product may adsorb to soil and sediments due to its cationic nature.
Other adverse effects	No additional adverse environmental effects known.

### SECTION 13 : DISPOSAL CONSIDERATION

Aspect	Description
Waste treatment methods	Dispose of contents and contaminated materials in accordance with local, regional, and national regulations. Do not discharge into drains, surface waters, or soil.
Product disposal	Used or unused wipes may be disposed of as non-hazardous solid waste when uncontaminated. Disposal should be carried out by a licensed waste contractor where required.
Contaminated packaging	Empty packaging or pouches may contain product residues and should be disposed of in accordance with local regulations. Do not reuse packaging.

### SECTION 14: TRANSPORT INFORMATION

Aspect	Description
UN number	Not applicable
UN proper shipping name	Not regulated
Transport hazard class	Not applicable
Packing group	Not applicable
Environmental hazards	Not applicable
Special precautions	None required

**SECTION 15: REGULATORY INFORMATION**

Aspect	Description
Safety, health and environmental regulations	This product is classified in accordance with EU Regulation (EC) No. 1272/2008 (CLP) and the OSHA Hazard Communication Standard (29 CFR 1910.1200). It contains quaternary ammonium compounds classified as eye and skin irritants.
Chemical inventory	All components of this product are listed on or exempt from major chemical inventories, including TSCA (USA) and EINECS/ELINCS (EU).

**SECTION 16: OTHER INFORMATION**

The information provided in this document is based on our current knowledge and experience and is intended to describe the product solely in terms of health, safety, and environmental requirements. It should not be interpreted as a guarantee of specific properties, performance, or suitability for any particular application. Users are responsible for determining the appropriateness of this product for their intended use and for complying with all applicable regulations and standards. The manufacturer shall not be held liable for any loss, damage, or injury resulting from improper use, handling, or storage of the product. Continuous improvement may lead to changes in the information contained herein without prior notice. This Safety Data Sheet applies to all packaging sizes of this product, including 100 mL and 500 mL trigger spray bottles.

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