

# Medidefense mPulse Hand Sanitizer

## SECTION 1. IDENTIFICATION

**Product Identifier** Medidefense mPulse Hand Sanitizer  
**Manufacturer** Clearstream Technologies, 2915 Whitehall Park Drive, Suite 700, Charlotte, NC, 28273, USA, 855-877-5262  
**Emergency Phone No.** Chemtrec, 800-424-9300  
Outside of USA, 1-703-527-3887  
**SDS No.** 0282

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Eye irritation - Category 2B

### Label Elements

Signal Word:

Warning

Hazard Statement(s):

H320 Causes eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

Response:

P305 + P351 + P338 IF IN 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 or attention.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	<0.13		

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

#### Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

#### Ingestion

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If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Water spray. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

### Specific Hazards Arising from the Product

None known.

### Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Place used absorbent into suitable, covered, labelled containers for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Wear personal protective equipment to avoid direct contact with this chemical.

### Conditions for Safe Storage

Keep in a dry, cool and well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F. Keep out of the reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Safety glasses.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

pH	4 - 6 (100% solution)
Melting Point/Freezing Point	0 °C (32 °F) (freezing)
Flash Point	> 93 °C (200 °F)
Relative Density (water = 1)	0.975 - 1.025
Solubility	Soluble in water

### Other Information

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## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Strong oxidizers.

### Incompatible Materials

Avoid contact with strong oxidizing agents.

### Hazardous Decomposition Products

Oxides of carbon, silicon and nitrogen.

## SECTION 11. TOXICOLOGICAL INFORMATION

### ATE (Inhalation)

>2000 mg/kg

### ATE (Oral)

>2000 mg/kg

### ATE (Dermal)

>2000 mg/kg

### Serious Eye Damage/Irritation

Causes eye irritation.

## SECTION 12. ECOLOGICAL INFORMATION

### Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

### Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate.

### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under IMO Regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

**Special Precautions** Not applicable

### Transport in Bulk according to International Maritime Organization Instruments

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

##### Additional USA Regulatory Lists

SARA Title III - Section 313:  
methanol RQ (5000 lbs)

product (66,000,000 lbs).

## SECTION 16. OTHER INFORMATION

**NFPA Rating**            **Health - 1**    **Flammability - 0**    **Instability - 0**

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