

**MATERIAL SAFETY DATA SHEET**

**DISINFECTANT CLEANER**

**Section 1. Chemical product and company identification**

Product name: **DISINFECTANT CLEANER**

Recommended use and restrictions: Cleaner and disinfectant. Use only for the purpose on the product label.

Kills Fungi, Bacteria, influenza, & Viruses such as SARS Cov-2 / COVID-19 & H1N1.

Distributed By: Rainchem International, Inc

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**Section 2. Hazards identification**

Product AS SOLD

GHS Classification: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

**GHS label elements**

Signal word : CAUTION

Hazard statements : Causes eye irritation.

Precautionary statements

Prevention : Wash hands thoroughly after handling.

Response : IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: No other specific measures identified.

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

**Section 3. Composition/information on ingredients**

**Substance/mixture** : Mixture

Ingredients	Concentration Range	CAS #
Didecyldimethyl ammonium chloride, alkyl dimethyl benzyl ammonium chloride	50%	8001-54-5

**Section 4. First aid measures**

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

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**Skin contact** : No known effect after skin contact. Rinse with water for a few minutes.

**Inhalation** : No special measures required. Treat symptomatically.

**Ingestion** : Get medical attention if symptoms occur.

**Protection of first- aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**Notes to physician:** In case of inhalation of decomposition products in a fire, symptoms may be

**See toxicological information (section 11)**

**Section 5. Fire-fighting measures**

**Suitable fire extinguishing media:** Use water spray, fog or foam.

**Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products:** Decomposition products may include the following materials:  
carbon dioxide

carbon monoxide nitrogen oxides metal oxide/oxides

**Specific fire-fighting methods:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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### Section 6. Accidental Release Measures

**Personal Precautions:** Use personal protective equipment as required

**Environmental Precautions:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways

**Methods for cleaning up:** Use a water rinse for final clean-up

### Section 7. Handling and storage

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage:** Keep out of reach of children. Keep container tightly closed.

**Store between the following temperatures:** 0 and 50°C

### Section 8. Exposure controls/personal protection

#### Control parameters

Exposure Limits: Time-Weighted Average (TLV-TWA) : Not Applicable.

Irritancy: Not available

Sensitization to Product: Not available.

Animal Toxicity Data: BC50: (Intravenous, rat) - 13.9mg/kg (50% AKBC)

Carcinogenicity Toxcity: Carcinogenic (IARC and ACGIH)

Reproductive Toxicity: Not available.

Mutagenicity: Not available.

Name of Toxicologically Synergistic Products: Not available.

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protection

**Eye protection:** No protective equipment is needed under normal use conditions.

**Hand protection:** No protective equipment is needed under normal use conditions.

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**Skin protection:** No protective equipment is needed under normal use conditions.

**Respiratory protection:** A respirator is not needed under normal and intended conditions of product use.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Section 9. Physical and chemical properties**

**Physical state:** Liquid.

**Color:** Clear

**Odor:** Lemon

**pH** : 8

**Flash point** : > 100°C Product does not support combustion.

**Explosion limits:** Not available

**Flammability (solid, gas):** Not available

**Melting point:** Not available

**Boiling point:** 100°C (212°F)

**Evaporation rate (butyl acetate = 1):** Not available

**Vapor pressure:** Not available

**Vapor density:** Not available

**Relative density:** 1.016 (Water = 1)

**Solubility:** Easily soluble in the following materials: cold water and hot water.

**Partition coefficient:** n-octanol/water: Not available

**Auto-ignition temperature:** Not available

**Decomposition temperature:** Not available

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**Section 10. Stability and reactivity**

**Stability:** The product is stable.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid:** No specific data.

**Materials to avoid:** Reactive or incompatible with the following materials: acids.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological information**

Route of exposure: Skin contact, Eye contact, Inhalation, Ingestion

**Symptoms**

**Eye contact:** Adverse symptoms may include the following: irritation watering redness

**Skin contact:** No specific data.

**Inhalation:** No specific data.

**Ingestion:** No specific data.

**Acute toxicity**

**Eye contact:** Causes eye irritation.

**Skin contact:** No known significant effects or critical hazards. No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards. No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards. No known significant effects or critical hazards.

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**Toxicity data**

**Product/Ingredient Name:** Alkyldimethylbenz al ammonium chloride (ADBAC)

Exposure Limits: Time-Weighted Average (TLV-TWA): Not Applicable.

Irritancy: Not available

Sensitization to Product: Not available.

Animal Toxicity Data: BC50: (Intravenous, rat) - 13.9mg/kg (50% AKBC)

Carcinogenicity Toxcity: Carcinogenic (IARC and ACGIH)

Reproductive Toxicity: Not available.

Mutagenicity: Not available.

Name of Toxicologically Synergistic Products: Not available.

**Chronic Toxicity:**

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

**Section 12. Ecological information**

**Ecotoxicity:** This material is harmful to aquatic life.

**Section 13. Disposal considerations**

**Disposal methods:** Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

**Section 14. Transport information**

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

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#### DOT

**DOT Classification:** Not regulated

#### IMO/IMDG

**IMO/IMDG Classification:** Not regulated

For transport in bulk, see shipping documents for specific transportation information

#### Section 15. Regulatory information

**SARA 302/304/311/312 extremely hazardous substances:** No listed substance

**SARA 302/304 emergency planning and notification:** No listed substance

#### Section 16. Other information

##### Information System

Health	3
Flammability	0
Physical hazards	0

##### National Fire Protection Association

