

Section 1: Chemical Product and Company Identification

Product Name: DI-18 SANITIZER
Recommended Use and Restrictions: DISINFECTANT SANITIZER For Industrial and Professional Use
Use only for the purpose on the product label.

Chemical Class: Quaternary Disinfectant

Supplier's Information: The Deirdre Imus Environmental Health Center®
Address: Hackensack University Medical Center
Research Building • Room 240A
30 Prospect Avenue, Hackensack, NJ 07601
Telephone: 551.996.8071
EPA REG NO 1839-86-83908
CAS# NA / MIXTURE

POISON CONTROL NUMBER
1-900-222-1222

Section 2: Hazards Identification

GHS Classification: **Product AS SOLD**
ACUTE TOXICITY: ORAL - Category 5
SKIN CORROSION/IRRITATION - Category 1C
SERIOUS EYE DAMAGE/ EYE IRRITATION -
Category 1

GHS label elements DANGER

Signal word
Symbol



Hazard statements : Harmful if swallowed.
: Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after handling.

Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated

Section 2 Hazards Identification

clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

- Storage** : No other specific measures identified.
- Disposal** : See section 13 for waste disposal information.
- Other hazards** : None known.

Section 3 Composition / Information On Ingredients

| Components | CAS # | Percent |
|--|------------|---------|
| Alkyl dimethyl benzyl ammonium chloride (C12-18) | 68391-01-5 | 4 – 6 |
| Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14) | 85409-23-0 | 4 – 6 |
| Water | 7732-18-5 | 88– 92 |

Section 4 First Aid Measures

First aid procedures

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately. Obtain medical attention and take along these instructions.

Skin contact: For skin contact flush with large amounts of water. If irritation persists get medical attention. Immediately take off all contaminated clothing. Wash clothing separately before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Call a physician or Poison Control Center immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Notes to physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Section 5 Fire-Fighting Measures

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

Specific hazards arising from the chemical Hazardous thermal decomposition products: In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds, 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.

Section 6 Accidental Release Measures

Personal precautions: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.

Environmental Precautions: Avoid contact of spilled material and Run-off with soil and surface waterways.

Methods for Cleaning up: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/ neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.

Section 7 Handling and Storage

Handling: Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. 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

Appropriate engineering controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering control to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal Protection

Eye Protection: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hand Protection: Use chemical-resistant impervious gloves.

Skin Protection: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

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

Hygiene Measures: Wash hand, 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 | disinfectant |
| pH | 6.8- 7.3 (as is) |
| Boiling point | > 212 °F (> 100 °C) |
| Flash point | >100C (212F) |
| Evaporation rate | water=1 (1) |
| Vapor pressure | Not Determined or Unknown |
| Vapor density | Estimated heavier than air. |
| Specific gravity | 8.48 (@ 25 C) |
| VOC | none |
| Percent volatile | 70 - 80 % (w/w) |

Section 10 Stability and Reactivity

| | |
|---|--|
| Stability | This product is stable |
| Chemical stability | Stable at normal conditions. |
| Incompatible materials | Under normal conditions of storage and use, hazardous reaction will not occur. |
| 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

ACUTE

| Chemical Name | ORALLD ₅₀ (rat) |
|---|-------------------------------|
| N-Alkyl dimethyl benzyl ammonium chloride (C12-C18) | > 1890 mg/kg(rat) |
| N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14) | > 500 mg/kg (rat) |

DERMAL LD₅₀: > 2000 mg/kg male and female rabbits.

ORAL LD₅₀: > 2500 mg/kg Male and Female rats.

EYE EFFECTS: Corrosive to eyes.
Permanent damage may occur.

SKIN EFFECTS: Corrosive to skin.

CARCINOGENICITY

IARC: No products were found.

CORROSIVITY: Corrosive

GENETIC EFFECTS: No known significant effects or critical hazards.

REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TARGET ORGANS: No known significant effects or critical hazards.

MUTAGENICITY: No known significant effects or critical hazards.

Section 12 Ecological Information

ENVIRONMENTAL DATA: Not Established

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish and aquatic invertebrates.

QUATIC TOXICITY (ACUTE): Not Established

CHEMICAL FATE INFORMATION: This product is biodegradable.

Section 13 Disposal Considerations

Disposal Methods

Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations

Section 14 Transportation 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.

DOT

| | |
|---------------------------------|---|
| DOT Classification | UN1903 |
| DOT Proper shipping name | Disinfectants, liquid, corrosive n.o.s. |
| | 8 |
| Class | III |
| Packing group | |

IMO/IMDG

| | |
|--------------------------------|--------|
| | UN1903 |
| IMO/IMDG Classification | |
| IMO/IMDG Classification | |

Section 15 Regulatory Information

| | |
|--|---|
| US federal regulations | This product is a U.S. EPA registered pesticide. |
| Reportable Quantity | There is no calculable reportable quantity (RQ) for this product. |
| CERCLA (Superfund) reportable quantity | None |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | |
| Section 302 extremely hazardous substance | No |
| Section 311 hazardous chemical | No |

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16 Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

| | | |
|----------------------|----------------------|----|
| HMIS® ratings | Health: | 3* |
| | Flammability: | 0 |
| | Physical hazard: | 0 |
| | Personal protection: | X |
| NFPA ratings | Health: | 3 |
| | Flammability: | 0 |
| | Instability: | 0 |

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