


# Safety Data Sheet

| Section 1. Identification                      |                                                                                                                  |                                                             |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Product Identifier</b>                      | <b>Triple D</b>                                                                                                  | <b>Version: 7</b><br><b>Effective Date: 25 January 2021</b> |
| <b>Other Means Of Identification</b>           | Disinfectant                                                                                                     |                                                             |
| <b>Initial Supplier Identifier</b>             | Chemfax Products Ltd.<br>11444 – 42 Street SE<br>Calgary, AB T2C 5C4<br>Tel: 403-287-2055                        |                                                             |
| <b>Recommended Use and Restrictions On Use</b> | Disinfectant, sanitizer, fungicide, with organic soil tolerance for hospital and institutional. No restrictions. |                                                             |
| <b>Product Family</b>                          | Blend                                                                                                            |                                                             |
| <b>Emergency Phone</b>                         | 1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST                                                               |                                                             |

| Section 2. Hazard Identification |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard Classification</b>     |                                                                                                                                |
| <b>Health Hazards</b>            | Skin Corrosion/Irritation - Category 1A<br>Acute Oral Toxicity - Category 4<br>Acute Dermal Toxicity – Category 4<br>Eye Damage/Irritation – Category 1                                                            |
| <b>Environmental Hazard</b>      | Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard-Category 1<br>Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard-Category 3                                                        |
| <b>Signal Word</b>               | Danger                                                                                                                                                                                                             |
| <b>Hazard Statement</b>          | Causes severe skin burns and eye damage. Harmful if swallowed. Harmful if it comes in contact with skin. Causes serious eye damage. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects. |

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| <b>Precautionary Prevention Statement</b> | Do not inhale dust, fume, gas, mist, vapours, or spray. Wash hands thoroughly after handling. Wear protective gloves, clothing, and eye & face protection.<br>Do not eat, drink or smoke when using this product.<br>Avoid release to the environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Precautionary Response Statement</b>   | IF SWALLOWED: Immediately call a POISON CENTRE. Rinse mouth. Do NOT induce vomiting.<br>IF ON SKIN (or hair): Wash with plenty of water. Immediately remove all contaminated clothing. Rinse skin with water, or shower if on clothing. Remove contaminated clothing and launder before reuse. Seek medical attention if you feel unwell.<br>Specific Treatment: Do not induce vomiting unless directed by medical personnel.<br>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER.<br>Specific Treatment: Do not induce vomiting unless directed by medical personnel.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical attention<br>If exposed or concerned: Call a POISON CENTER.<br>Collect spillage. |
| <b>Precautionary Storage Statement</b>    | Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Precautionary Disposal Statement</b>   | Dispose of contents/container in accordance with local regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Other Hazards</b>                      | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### Section 3. Composition / Information on Ingredients

| Chemical Name                                                                          | Common Name or Synonyms             | CAS NO. and Other Unique Identifiers | % by weight |
|----------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|-------------|
| Dialkyl dimethyl ammonium chloride                                                     | Diocetyl dimethyl ammonium chloride | 7173-51-5                            | 1 - 10      |
| Balance of ingredients are considered non-hazardous and constitute a proprietary blend |                                     |                                      |             |

### Section 4. First-Aid Measures

|                     |                                                                                                         |
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| <b>Eye Contact</b>  | Flush eyes with water for 15 minutes. Seek medical attention.                                           |
| <b>Skin Contact</b> | Flush area with water. If irritation persists seek medical attention.<br>Launder clothing before reuse. |

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| <b>Inhalation</b>                                                 | Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.                                                                                                                                                                                          |
| <b>Ingestion</b>                                                  | Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.                                                                                                                               |
| <b>Most Important Symptoms and Effects Both Acute and Delayed</b> | Nausea, headache, and sore throat are the primary systemic effects. The primary dermal effects that have been reported are rash, burning sensation, numbness, and itching. Ocular incident symptoms: irritation/burning, eye pain, conjunctivitis, swelling eye, and swelling of eyelid. |
| <b>Immediate Medical Attention and Special Treatment</b>          | Treat symptomatically.                                                                                                                                                                                                                                                                   |

### Section 5. Fire-Fighting Measures

|                                                                       |                                                                                                                                                               |
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| <b>Suitable and Unsuitable Extinguishing Media</b>                    | Dry chemical, alcohol resistant foam, or carbon dioxide                                                                                                       |
| <b>Hazardous Combustion Products</b>                                  | Thermal decomposition may produce toxic vapours/fumes of hydrogen chloride, amines, other organic materials and oxides of carbon and nitrogen.                |
| <b>Specific Hazards Arising From The Product</b>                      | None known                                                                                                                                                    |
| <b>Special Protective Equipment and Precautions For Fire-Fighters</b> | Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire. |

### Section 6. Accidental Release Measures

|                                                                            |                                                                                                                                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions, Protective Equipment and Emergency Procedures</b> | Gloves (nitrile), coveralls (Nomex), safety glasses. Secure area and evacuate unnecessary personnel. Surface might become slippery. |
| <b>Environmental Precautions</b>                                           | Large quantities of the material should not be allowed to enter surface water systems and sewers.                                   |
| <b>Methods and Materials For Containment and Clean-Up</b>                  | Stop leak, soak or pump up spilled material. Place in a suitable container for disposal. Wash area with water to remove residues.   |

### Section 7. Handling and Storage

|                                      |                                                                                                                                          |
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| <b>Precautions For Safe Handling</b> | Handle with care. Good housekeeping practices should be in place. Ensure containers are securely closed if product is being transported. |
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| <b>Conditions For Safe Storage</b> | Store in a cool place. Ensure containers are kept closed at all times when not in use. |
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| Section 8. Exposure Controls / Personal Protection |                                                                      |              |         |        |
|----------------------------------------------------|----------------------------------------------------------------------|--------------|---------|--------|
| Control Parameters                                 | TWA: 8 Hr                                                            | STEL: 15 min | Ceiling | IDLH * |
| Dialkyl dimethyl ammonium chloride                 | No data                                                              |              |         |        |
| <b>Exposure Controls</b>                           | Local exhaust ventilation                                            |              |         |        |
| <b>Appropriate Engineering Controls</b>            | Ensure eye wash station and safety shower are available.             |              |         |        |
| <b>Individual Protective Measures</b>              |                                                                      |              |         |        |
| <b>Eye / Face Protection</b>                       | Safety glasses                                                       |              |         |        |
| <b>Skin Protection</b>                             | Wear gloves (nitrile), coverall (Nomex), chemical resistant footwear |              |         |        |
| <b>Respiratory Protection</b>                      | Not required under normal conditions of use.                         |              |         |        |

| Section 9. Physical and Chemical Properties             |                    |
|---------------------------------------------------------|--------------------|
| <b>Appearance</b>                                       | Blue liquid        |
| <b>Odour</b>                                            | Mild soapy odour   |
| <b>Odour Threshold</b>                                  | Not available.     |
| <b>pH</b>                                               | 11.6               |
| <b>Flash Point</b>                                      | >100 °C            |
| <b>Boiling Point and Boiling Range</b>                  | No data            |
| <b>Melting Point and Freezing Point</b>                 | No data.           |
| <b>Evaporation Rate</b>                                 | Not determined     |
| <b>Flammability (solid, gas)</b>                        | Not applicable     |
| <b>Upper and Lower Flammability or Explosive Limits</b> | No data            |
| <b>Vapour Pressure</b>                                  | Not determined     |
| <b>Vapour Density</b>                                   | Not determined     |
| <b>Relative Density</b>                                 | 1.024              |
| <b>Solubility</b>                                       | Completely soluble |
| <b>Partition co-efficient, n-Octanol/Water</b>          | No data            |
| <b>Auto-ignition Temperature</b>                        | No data            |
| <b>Decomposition Temperature</b>                        | No data            |
| <b>Viscosity</b>                                        | No data            |

| Section 10. Stability and Reactivity      |                                                                                                                            |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | Stable                                                                                                                     |
| <b>Chemical Stability</b>                 | Stable                                                                                                                     |
| <b>Possibility of Hazardous Reactions</b> | Will not occur                                                                                                             |
| <b>Conditions to Avoid</b>                | None known                                                                                                                 |
| <b>Incompatible Materials</b>             | Strong oxidizing agents                                                                                                    |
| <b>Hazardous Decomposition Products</b>   | When heated to decomposition may emit oxides of carbon and chlorine, as well as ammoniacal vapours, acrid smoke and fumes. |

| Section 11. Toxicological Information                            |                                                                                                                                                                                                                 |                   |                 |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|
| Component Toxicity                                               | LD50 Oral                                                                                                                                                                                                       | LD50 Dermal       | LC50 Inhalation |
| Dialkyl dimethyl ammonium chloride                               | 450mg/kg (Rat)                                                                                                                                                                                                  | 4.3 g/kg (Rabbit) |                 |
| <b>Likely Routes of Exposure</b>                                 |                                                                                                                                                                                                                 |                   |                 |
| <b>Skin:</b>                                                     | Prolonged contact may cause dryness, cracking and possible skin burns.                                                                                                                                          |                   |                 |
| <b>Eyes:</b>                                                     | May cause irritation of the eyes, including stinging, redness and tearing.                                                                                                                                      |                   |                 |
| <b>Inhalation:</b>                                               | Not expected to cause any problems under normal conditions of use.                                                                                                                                              |                   |                 |
| <b>Ingestion:</b>                                                | Mildly corrosive. May cause vomiting and digestive tract disturbances.                                                                                                                                          |                   |                 |
| <b>Acute Toxicity Estimates (ATE)</b>                            | The risk of toxicity is related to concentration; severe injury is rare unless the concentration is more than 7.5%. Exposure to concentrated products (more than 7.5%) is rare, but can cause corrosive injury. |                   |                 |
| <b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>   | Not classified                                                                                                                                                                                                  |                   |                 |
| <b>Aspiration Toxicity</b>                                       | Not classified                                                                                                                                                                                                  |                   |                 |
| <b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b> | Not classified                                                                                                                                                                                                  |                   |                 |
| <b>Skin Corrosion / Irritation</b>                               | Corrosive                                                                                                                                                                                                       |                   |                 |
| <b>Serious Eye Damage / Irritation</b>                           | Eye exposure may cause effects ranging from mild discomfort (0.1% solutions) to very serious corneal damage (10% solutions).                                                                                    |                   |                 |
| <b>Respiratory or Skin Sensitization</b>                         | Not a sensitizer                                                                                                                                                                                                |                   |                 |
| <b>Carcinogenicity</b>                                           | No listed.                                                                                                                                                                                                      |                   |                 |

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| <b>Reproductive Toxicity</b>           |                |
| - <b>Sexual Function and Fertility</b> | Not classified |
| - <b>Development of Offspring</b>      | Not classified |
| - <b>Effects on or via Lactation</b>   | Not classified |
| <b>Germ Cell Mutagenicity</b>          | Not classified |
| <b>Interactive Effects</b>             | None known     |
| <b>Other Information</b>               | None known     |

| <b>Section 12. Ecological Information</b> |                                                                                                                                                                    |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                        | Dialkyl dimethyl ammonium chloride LC50: 1.0 mg/L (Salmon) 96 hr EC50: 0.94 mg/L (Daphnia magna) 48 hr                                                             |
| <b>Persistence and Degradability</b>      | No data                                                                                                                                                            |
| <b>Bioaccumulative Potential</b>          | No data                                                                                                                                                            |
| <b>Biodegradability</b>                   | OECD Confirmatory Test 24 – 70 d, 91% (OECD 303 A)<br>Modified Strum Test, Concentration 10 mg/L Exposure time: 28 days<br>Readily Biodegradable = 72% (OECD 301B) |
| <b>Mobility in Soil</b>                   | No data                                                                                                                                                            |
| <b>Other Adverse Effects</b>              | None                                                                                                                                                               |

| <b>Section 13. Disposal Considerations</b> |                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------|
| <b>Disposal Considerations</b>             | Dispose of contents / container in accordance with local regulations. |

| <b>Section 14. Transport Information</b> |                                      |
|------------------------------------------|--------------------------------------|
| <b>UN Number</b>                         | 1903                                 |
| <b>UN Proper Shipping Name</b>           | Disinfectant Liquid Corrosive N.O.S. |
| <b>Transport Hazard Class(es)</b>        | 8                                    |
| <b>Packaging Group</b>                   | II                                   |
| <b>Environmental Hazards</b>             | Avoid release in the environment     |
| <b>Bulk Transport</b>                    | Not applicable                       |
| <b>Special Precaution</b>                | Not applicable                       |
| <b>DOT Erg#</b>                          | None                                 |

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| Section 15. Regulatory Information |                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Canada – DSL Inventory</b>      | All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt |
| <b>TSCA</b>                        | All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt                   |
| <b>Additional Information</b>      | None                                                                                                                            |

| Section 16. Other Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>NFPA Rating</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Health-2/ Flammability-0/Reactivity-0/Special Hazard-Not applicable     |
| <b>HMIS Rating</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Health-2/Flammability-0/Reactivity-0/Personal Protection-See Section 8. |
| <b>Prepared by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Chemfax Products Ltd., Technical Department                             |
| <b>Date Prepared:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19 January, 2011                                                        |
| <b>Date of Latest Revision:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 25 January 2021                                                         |
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