DIS 150

SECTION 1. IDENTIFICATION

Product Identifier DIS 150
Product Family Disinfectant
Manufacturer Glen Martin Limited, 38 Fraser Court, Barrie, ON, L4N 5J5, 705.721-8800 / 1.800.461.5455
Emergency Phone No. CANUTEC , 613-996-6666, 24 Hours
SDS No. 0145
Date of Preparation March 22, 2016

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation - Category 1C; Serious eye damage/eye irritation - Category 2A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Didecyl dimethyl ammonium chloride	7173-51-5	10-30	
Lauramine Oxide	1643-20-5	10-30	
Tetrasodium EDTA	10378-23-1	2-5	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice/attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

First-aid Comments

If exposed or concerned, get medical advice/attention.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms may develop hours after exposure.

Immediate Medical Attention and Special Treatment

Target Organs

Blood, eyes, liver, respiratory system, skin.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Specific Hazards Arising from the Chemical

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive chlorine.

Special Protective Equipment and Precautions for Fire-fighters

Firefighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. 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. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product. Contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Prevent accidental contact with incompatible chemicals. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Store at temperatures not exceeding: 49°C (120°F) separate from incompatible materials (see Section 10: Stability and Reactivity).
Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate.
Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear suitable protective clothing. Wear protective gloves.
Nitrile rubber, natural rubber, polyvinyl alcohol.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Dark blue liquid.
Odour	Fragrant
pH	7.0 - 8.0 (100% solution)
Melting Point/Freezing Point	Not available (freezing)
Flash Point	Not available
Relative Density (water = 1)	0.988
Solubility	Soluble in all proportions in water

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Incompatible materials.

Incompatible Materials

Oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive chlorine.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Didecyl dimethyl ammonium chloride		238 mg/kg (rat)	3342 mg/kg (rabbit)
Tetrasodium EDTA		> 2000 mg/kg (rat)	
Lauramine Oxide		> 20 g/kg (female rat)	

LC50: No information was located.

Skin Corrosion/Irritation

There is limited evidence of moderate or severe irritation.
Symptoms include pain, redness, and swelling.

Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information.
There is limited evidence of serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful
nose and throat irritation.

Skin Absorption

May be harmful.

Ingestion

Harmful
irritation of the mouth, throat and stomach.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause damage to organs
Blood. Eyes. Liver. Respiratory system. Skin.

Respiratory and/or Skin Sensitization

Preexisting disorders may be aggravated by exposure to this material;skin, lung (asthma-like conditions).

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Didecyl dimethyl ammonium chloride	Not Listed	Not designated	Not Listed	Not Listed
Tetrasodium EDTA	Not Listed	Not designated	Not Listed	Not Listed
Lauramine Oxide	Not Listed	Not designated	Not Listed	Not Listed

Not known to cause cancer.

Reproductive Toxicity

Sexual Function and Fertility

Animal studies show effects on sexual function and/or fertility. (Didecyl dimethyl ammonium chloride)

Germ Cell Mutagenicity

Animal studies show evidence of mutagenicity in reproductive cells (sperm or eggs). (Didecyl dimethyl ammonium chloride)

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life,. (Didecyl dimethyl ammonium chloride)

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Algae
Didecyl dimethyl ammonium chloride	24-48 ug/L (Daphnia magna (water flea); 24 hr; fresh water; static)	> 1000 ug/L (Daphnia magna (water flea); 6 hr; fresh water; static)	0.02 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)
Tetrasodium EDTA	760 mg/L (Lepomis macrochirus (bluegill); 96-hour)		

Chronic Aquatic Toxicity

Chemical Name	NOEC Fish
Didecyl dimethyl ammonium chloride	0.03 mg/L (Brachydanio rerio (zebra fish); 34-days)

Persistence and Degradability

Does not degrade rapidly based on half-life measurements.

Bioaccumulative Potential

This product or its degradation products have the potential to bioaccumulate based on the fish bioconcentration factor (BCF).

Mobility in Soil

If released into the environment, this product is not expected to move through the soil, based on physical and chemical properties.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, state/provincial and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state/provincial and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations.

Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

WHMIS Exempt - registered product - (DIN 02452189).

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

USA

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

Listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating	**Health - 3 Flammability - 0 Instability - 0**
SDS Prepared By	Elemental
Phone No.	519.537.1095
Date of Preparation	March 22, 2016
Disclaimer	Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).