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Revision Number 1

1. IDENTIFICATION**Product identification**

Product identifier	Drummond™ Lifeguard Disinfectant Detergent Cleaner And Deodorant
Other means of identification	1464519
Recommended use	Disinfectant, Cleaner
Restrictions on use	No information available

Supplier

Corporate Headquarters:
Drummond™, A Lawson Brand
Lawson Products, Inc.
8870 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

Symbol

Signal word DANGER

Hazard statements
H315 - Causes skin irritation
H318 - Causes serious eye damage
H302 - Harmful if swallowed

Precautionary statements

Prevention P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing and eye/face protection
P270 - Do not eat, drink or smoke when using this product

Response

General

P321 - For Specific treatment see section 4 of this sds

Eyes

P310 - Immediately call a POISON CENTER or doctor/physician
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing

Skin

P352 - Wash with plenty of soap and water
P362 - Take off contaminated clothing and wash before reuse
P332 + P313 - If skin irritation occurs: Get medical advice/attention

Storage

Not applicable

Disposal

Not applicable

**Hazard(s) Not Otherwise
Classified (HNOC)**

None known.

**Physical Hazards Not
Otherwise Classified
(PHNOC)**

None known.

Unknown acute toxicity

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Mixture.

Chemical name	CAS-No	Weight %
Water	7732-18-5	90-100
Didecyltrimethylammonium chloride	7173-51-5	2.54
Quaternary Ammonium Chloride	68424-85-1	1.69

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation

Remove to fresh air. If symptomatic, contact a Poison Control Center, emergency room, or a physician for treatment information. If not breathing, give artificial respiration.

Ingestion

Keep head below hips if vomiting occurs. Vomiting may cause aspiration pneumonia. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Do not give anything by mouth to an unconscious person.

Skin contact

Remove and wash contaminated clothing before re-use. Wash area thoroughly with soap and water. Flush area with water for 15 minutes. Seek medical attention if irritation occurs.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a POISON CENTER or doctor.

**Most important symptoms
(acute)**

Causes skin irritation. Causes serious eye damage.

Most important symptoms

Irritation.

(over-exposure)

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label on hand. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

This product is not flammable.

Unsuitable extinguishing media

Full water jet.

Specific hazards

Not applicable.

Special protective equipment for fire-fighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Follow safe handling advice and personal protective equipment recommendations. Wash hands thoroughly after handling.

Methods and materials for containment and cleaning up

Small Spill: Wipe up with absorbent material (e.g. cloth, fleece). After cleaning, flush away traces with water. Large Spill: Dike to collect large liquid spills. Pick up and transfer to properly labeled containers. Following product recovery, flush area with water. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Follow all label directions. Avoid contact with eyes, skin, and clothing. Do not breathe vapors or spray mist. Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear suitable eye protection, gloves, and appropriate protective clothing. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Do not contaminate water, foodstuffs, seed, or feed by disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Water	-	-	-
Didecyldimethylammonium chloride	-	-	-
Quaternary Ammonium Chloride	-	-	-

Appropriate engineering controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Individual protection measures, such as personal protective

equipment

Eye protection	ANSI approved safety glasses or splash goggles with face shield are recommended.
Skin and body protection	Wear suitable protective clothing. Neoprene gloves. Latex gloves.
Respiratory protection	Not required with adequate ventilation.
Hygiene measures	General industrial hygiene practice. Wash hands before breaks and immediately after handling the product. A safety shower and eye wash station should be available for emergency use.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundl and & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatche wan - OEL
Water	-	-	-	-	-	-	-	-	-	-
Didecyl dimethylam monium chloride	-	-	-	-	-	-	-	-	-	-
Quaternary Ammonium Chloride	-	-	-	-	-	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Green
Odor	Lemon
Odor threshold	No information available
pH	6.0 - 8.0
Melting point/range °C	0 °C
Melting point/range °F	32 °F
Boiling point/range °C	100 °C
Boiling point/range °F	212 °F
Flash point °C / °F	None
Evaporation rate	1 (H ₂ O=1)
Flammability (Solid, Gas)	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	No data available
Vapor density	No data available

Relative density	1.000
Solubility	completely soluble in water
Partition coefficient (n-octanol/water)	Not applicable
Autoignition temperature °C	Not applicable
Autoignition temperature °F	Not applicable
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	slightly viscous

10. STABILITY AND REACTIVITY

Reactivity	No reactivity hazard is expected.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	None under normal conditions of use.
Conditions to avoid	Avoid extreme temperatures.
Incompatible materials	Anionic materials. Oxidizers.
Hazardous decomposition products	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Eyes.
Symptoms	Skin irritation. Harmful if swallowed. Causes serious eye irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Eye damage.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Water	-	-	> 90 mL/kg (Rat)
Didecyltrimethylammonium chloride	-	-	= 84 mg/kg (Rat)
Quaternary Ammonium Chloride	-	= 2300 mg/kg (Rabbit) = 1420 mg/kg (Rat)	= 426 mg/kg (Rat) = 850 mg/kg (Rat) = 240 mg/kg (Rat)

ATEmix (dermal)	Not available
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ATEmix (oral)	Not available
ATEmix (inhalation-gas)	Not available
ATEmix (inhalation-vapor)	Not available
ATEmix (inhalation-dust/mist)	Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Water	-	-	-	-
Didecyldimethylammonium chloride	-	-	-	-
Quaternary Ammonium Chloride	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Water	-	-	-	-	-	-
Didecyldimethylammonium chloride	-	-	-	-	-	-
Quaternary Ammonium Chloride	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Water	-	-
Didecyldimethylammonium chloride	-	-
Quaternary Ammonium Chloride	-	2.4: 96 h Oryzias latipes mg/L LC50 semi-static 1.3: 96 h Poecilia reticulata mg/L LC50 semi-static 0.823 - 1.61: 96 h Oncorhynchus mykiss mg/L LC50 static 0.223 - 0.46: 96 h Lepomis macrochirus mg/L LC50 static

Persistence and degradability Expected to be readily biodegradable.

Bioaccumulation Does not bioaccumulate

Chemical name	CAS-No	Partition coefficient (log Kow)
Water 7732-18-5	7732-18-5	-
Didecyldimethylammonium chloride	7173-51-5	-

Chemical name	CAS-No	Partition coefficient (log Kow)
7173-51-5		
Quaternary Ammonium Chloride 68424-85-1	68424-85-1	-

Mobility in soil This product is mobile in soil.

Other adverse effects None known

13. DISPOSAL CONSIDERATIONS

Disposal information Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Do not contaminate water, foodstuffs, seed, or feed by disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or mixture or rinsate is a violation of Federal Law. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

Contaminated packaging Do not re-use empty containers. Rinse empty container thoroughly with water before discarding. Triple rinse all containers before disposal. Offer rinsed packaging material to local recycling facilities. Dispose of rinse water in accordance with local and national regulations.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No
 Proper shipping name Not regulated
 Subsidiary Risk
 Packing group

TDG

ID-No
 Proper shipping name Not regulated
 Hazard Class(es)
 Subsidiary Risk
 Packing group

IATA

ID-No
 Proper shipping name Not regulated
 Hazard Class(es)
 Subsidiary Risk
 Packing group

IMDG/IMO

ID-No
 Proper shipping name Not regulated
 Hazard Class(es)
 Subsidiary Risk
 Packing group
 EmS No

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Water	7732-18-5	-	-	-
Didecyldimethylammonium chloride	7173-51-5	-	-	-
Quaternary Ammonium Chloride	68424-85-1	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Water	7732-18-5	-	-	X
Didecyldimethylammonium chloride	7173-51-5	-	-	-
Quaternary Ammonium Chloride	68424-85-1	-	-	-

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Water	7732-18-5	-
Didecyldimethylammonium chloride	7173-51-5	-
Quaternary Ammonium Chloride	68424-85-1	-

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. Federal Regulations

EPA pesticide registration number 47371-131-40208

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Water	7732-18-5	-	-
Didecyldimethylammonium chloride	7173-51-5	-	-
Quaternary Ammonium Chloride	68424-85-1	-	-

US EPA SARA 311/312 hazardous categorization

Acute Health Hazard

International inventories

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Water	X	X	-
Didecylidimethylammonium chloride	X	X	-
Quaternary Ammonium Chloride	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA No information available.

HMIS No information available.

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet