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Revision Number 3

1. IDENTIFICATION

Product identification

Product identifier Drummond™ Free-Flow Urinal Drain Opener and Odor Eliminator
Other means of identification DL4450T12
Recommended use Sewer and Drain Maintenance
Restrictions on use Not available

Supplier

Corporate Headquarters:
Drummond™, A Lawson Brand
Lawson Products, Inc.
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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)

Website www.lawsonproducts.com

Methylene Chloride notification No Information Available

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS 2015 and GHS Regulations.

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

Symbol



Signal word DANGER

Hazard statements H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

Precautionary statements

General
P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use.

Prevention
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves and eye/face protection

Response

General
P310 - Immediately call a POISON CENTER or doctor/physician
P321 - For Specific treatment see section 4 of this sds

Eyes
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
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363 - Wash contaminated clothing before reuse

Inhalation
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

Ingestion
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Storage
P405 - Store locked up
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal
P501 - Dispose of contents/ container to an approved waste disposal plant

Hazard(s) Not Otherwise Classified (HNOC)
None known.

Physical Hazards Not Otherwise Classified (PHNOC)
None known.

Unknown acute toxicity 0%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Hydrochloric Acid	7647-01-0	10-30
Propargyl alcohol	107-19-7	.1-1
Nonylphenol Ethoxylate	9016-45-9	.1-1

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information	Get immediate medical advice/attention.
Inhalation	Remove to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control Center immediately.
Skin contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Eye contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub eye.
Most important symptoms (acute)	See section 11 for toxicological information.
Most important symptoms (over-exposure)	See section 11 for toxicological information.
Indication of any immediate medical attention and special treatment needed	Product is a corrosive material. Do not induce emesis or perform lavage. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Do not give chemical antidote. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Water spray may be ineffective.
Specific hazards	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.
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	Evacuate area of unprotected and unnecessary personnel. Use personal protection recommended in Section 8. Avoid contact with eyes, skin, and clothing. Keep people away from and upwind of spill/leak. Do not allow to enter waters, wastewater or soil. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods and materials for containment and cleaning up	Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation wear suitable respiratory equipment. Use only with adequate and in closed systems.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Keep out of reach of children. Do not store in unlabeled or mislabeled containers. Incompatible with strong acids and bases. Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Hydrochloric Acid	-	0.3 ppm PEL; 0.45 mg/m ³ PEL		
Propargyl alcohol	-	1 ppm PEL; 2 mg/m ³ PEL	1 ppm TWA Skin	1 ppm TWA 2 mg/m ³ TWA
Nonylphenol Ethoxylate	-			

Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye protection

Tightly fitting safety goggles. Face-shield.

Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

Do not breathe gas/fumes/vapor/spray. Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection.

Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Hydrochloric Acid	-	-	-	-	-	-	-	-	-	-
Propargyl alcohol	1 ppm TWA 2.3 mg/m ³ TWA	1 ppm TWA	1 ppm TWA	1 ppm TWA 2.3 mg/m ³ TWA	1 ppm TWA	1 ppm TWA	1 ppm TWA	1 ppm TWA	1 ppm TWAEV 2.3 mg/m ³ TWAEV	1 ppm TWA
Nonylphenol Ethoxylate	-	-	-	-	-	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear, Blue
Odor	Acidic
Odor threshold	Not available
pH	<1
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	93.3 °C
Boiling point/range °F	200 °F
Flash point °C / °F	Not available
Evaporation rate	Not available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.10
Solubility	completely soluble in water
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	A-5 Gardner cP @ 25°C

10. STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal conditions of use.
Conditions to avoid	Exposure to air or moisture over prolonged periods.

Incompatible materials Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Dermal. Inhalation. Ingestion. Eyes.

Symptoms Breathing of vapor can cause respiratory irritation and inflammation. Breathing of mist or liquid can cause burns to the respiratory tract. Avoid contact with eyes. Corrosive to the eyes and may cause severe damage including blindness. Avoid contact with skin. Contact with skin may cause severe irritation and burns. Ingestion causes burns of the upper digestive and respiratory tracts.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects. Target Organ Effects: Eyes. Respiratory system. Skin.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Hydrochloric Acid	1.68 mg/L Rat	238 - 277 mg/kg Rat >5010 mg/kg Rabbit	238 - 277 mg/kg Rat > 5010 mg/kg Rabbit
Propargyl alcohol	1040 ppm Rat 1200 ppm Rat	= 110 mg/kg Rat = 20 mg/kg Rat = 55 mg/kg Rat 16 mg/kg Rabbit	55 mg/kg Rat 110 mg/kg Rat = 16 mg/kg Rabbit
Nonylphenol Ethoxylate	-	= 1310 mg/kg Rat = 2590 mg/kg Rat 1780 µL/kg Rabbit	2590 mg/kg Rat 1310 mg/kg Rat = 1780 µL/kg Rabbit = 2 mL/kg Rabbit

ATEmix (dermal) 27,930.99 mg/kg

ATEmix (oral) 1,326.00 mg/kg

ATEmix (inhalation-gas) 3,137.30 ppm

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) 2.79 mg/l

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Hydrochloric Acid	A4	Group 1 Group 3	Present	-
Propargyl alcohol	-	-	-	-
Nonylphenol Ethoxylate	-	-	-	-

Canadian Province

carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Hydrochloric Acid	-	-	ACGIH A4	-	ACGIH A4	-
Propargyl alcohol	-	-	-	-	-	-
Nonylphenol Ethoxylate	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish LC50
Hydrochloric Acid	-	-
Propargyl alcohol	-	1.49 - 1.56mg/L Pimephales promelas 96h
Nonylphenol Ethoxylate	-	-

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Hydrochloric Acid 7647-01-0	7647-01-0	-	-
Propargyl alcohol 107-19-7	107-19-7	-0.35 at 25 °C [OECD Guideline 107] (ECHA_API)	-
Nonylphenol Ethoxylate 9016-45-9	9016-45-9	3.7 at 25 °C [OECD Guideline 117] (ECHA_API)	-

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Discard container or liner in accordance with federal, state, and local regulations.

Contaminated packaging Do not reuse containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN3264
Proper shipping name Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrochloric Acid)
Hazard Class(es) 8
Subsidiary Risk
Packing group II
Special Provisions LTD QTY 1L or <

TDG

ID-No UN3264

Proper shipping name Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrochloric Acid)
Hazard Class(es) 8
Packing group II
Special Provisions LTD QTY 1L or <

IATA

ID-No UN3264
Proper shipping name Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrochloric Acid)
Hazard Class(es) 8
Packing group II

IMDG/IMO

ID-No UN3264
Proper shipping name Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrochloric Acid)
Hazard Class(es) 8
Packing group II
EmS No F-A, S-B
Special Provisions LTD QTY 1L or <

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Hydrochloric Acid	7647-01-0	-	-	-
Propargyl alcohol	107-19-7	-	-	-
Nonylphenol Ethoxylate	9016-45-9	-	-	-

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
Hydrochloric Acid	7647-01-0	X	X	X
Propargyl alcohol	107-19-7	X	X	X
Nonylphenol Ethoxylate	9016-45-9	-	-	-

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Hydrochloric Acid	7647-01-0	-
Propargyl alcohol	107-19-7	-
Nonylphenol Ethoxylate	9016-45-9	-

U.S. Federal Regulations

Methylene Chloride notification No Information Available

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Hydrochloric Acid	7647-01-0	5000 lb 2270 kg	1.0 %
Propargyl alcohol	107-19-7	1000 lb 454 kg	1.0 %
Nonylphenol Ethoxylate	9016-45-9	-	1.0 %

**US EPA SARA 311/312
hazardous categorization** Acute Health Hazard
Chronic Health Hazard

TSCA and Canadian Inventories

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Hydrochloric Acid	X	-	X	-
Propargyl alcohol	X	-	X	-
Nonylphenol Ethoxylate	X	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 3
Flammability 0
Instability 0

HMIS

Health 3
Flammability 0
Physical hazards 0
Personal protection C

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