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Revision Number 3

1. IDENTIFICATION

Product identification

Product identifier	Drummond™ Nix Fresh All-Natural Biological Odor Eliminator
Other means of identification	DL3870T12
Recommended use	Deodorizer
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Drummond™, A Lawson Brand
Lawson Products, Inc.
8770 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)

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.

Serious eye damage/eye irritation	Category 2A
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Symbol



Signal word WARNING

Hazard statements H319 - Causes serious eye irritation

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	P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear protective gloves/protective clothing and eye/face protection
Response	
General	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 P337 + P313 - If eye irritation persists: Get medical advice/attention
Inhalation	P340 - Remove victim to fresh air and keep at rest in a position comfortable for breathing P312 - Call a POISON CENTER or doctor if you feel unwell
Ingestion	P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting Drink plenty of water
Storage	
Disposal	P501 -Dispose of contents and container in accordance with local, regional, and federal regulations.
Hazard(s) Not Otherwise Classified (HNOC)	Not available.
Physical Hazards Not Otherwise Classified (PHNOC)	Not available.
Unknown acute toxicity	0.01055%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Alcohols, C9-11, ethoxylated	68439-46-3	1-5
Viable Bacteria Cultures	PROPRIETARY	<0.1

The exact percentage (concentration) of composition has been withheld as a trade secret If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting in this section

4. FIRST-AID MEASURES

Necessary first-aid measures Under normal conditions of intended use, this product does not pose a risk to health.

Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice.
Skin contact	Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lift eyelids occasionally. Get

prompt medical attention.

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 Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media Water spray may be ineffective.

Specific hazards No information available.

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 Ensure adequate ventilation, especially in confined areas. See Section 12: Ecological Information.

Methods and materials for containment and cleaning up Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Alcohols, C9-11, ethoxylated	-			
Viable Bacteria Cultures	-			

Appropriate engineering controls A safety shower and eye wash station should be available for emergency use. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective

equipment

- Eye protection** Use safety eyewear designed to protect against splash of liquids.
- Skin and body protection** Wear protective gloves and protective clothing. Rubber gloves.
- Respiratory protection** Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a NIOSH approved organic vapor/mist respirator.
- Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

Canadian Province Occupational Exposure Limits Not applicable

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Alcohols, C9-11, ethoxylated	-	-	-	-	-	-	-	-	-	-
Viable Bacteria Cultures	-	-	-	-	-	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** Liquid
- Color** Opaque, Colorless
- Odor** Pleasant
- Odor threshold** Not applicable
- pH** 8.5 - 9.5
- Melting point/range °C** Not applicable
- Melting point/range °F** Not applicable
- Boiling point/range °C** 100°
- Boiling point/range °F** 212°
- Flash point °C** >100
- Flash point °F** >212
- Flash point method used** Not available
- Evaporation rate** Not applicable
- Flammability (Solid, Gas)** No data available
- Lower explosion limit** No data available
- Upper explosion limit** Not available
- Vapor pressure** Not applicable
- Vapor density** Not applicable
- Relative density** 1.0

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	water thin
VOC	0.15 %

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	Avoid extreme temperatures. Avoid direct sunlight.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Inhalation. Ingestion. Eyes.
Symptoms	Avoid breathing vapors or mists. Inhalation of vapors in high concentration may cause irritation of respiratory system. Avoid contact with eyes. May cause eye irritation. May cause skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Do not taste or swallow. Ingestion may cause gastrointestinal irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Not available.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Alcohols, C9-11, ethoxylated	-	> 2000 mg/kg (Rabbit)	1400 mg/kg (Rat)
Viable Bacteria Cultures	-	-	-

ATEmix (dermal)	Not available
ATEmix (oral)	36,231 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Alcohols, C9-11, ethoxylated	-	-	-	-
Viable Bacteria Cultures	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Alcohols, C9-11, ethoxylated	-	-	-	-	-	-
Viable Bacteria Cultures	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity None known

Chemical name	Algae/aquatic plants	Fish LC50
Alcohols, C9-11, ethoxylated	-	-
Viable Bacteria Cultures	-	-

Persistence and degradability No data available.

Bioaccumulation Not available

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Alcohols, C9-11, ethoxylated 68439-46-3	68439-46-3	-	-
Viable Bacteria Cultures PROPRIETARY	PROPRIETARY	-	-

Mobility in soil Not available.

Other adverse effects None known

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

Contaminated packaging Do not reuse containers. Dispose in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT
ID-No Not Regulated

TDG
ID-No Not Regulated

IATA
ID-No Not Regulated

IMDG/IMO
ID-No Not Regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Alcohols, C9-11, ethoxylated	68439-46-3	-	-	-
Viable Bacteria Cultures	PROPRIETARY	-	-	-

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 See information below

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Alcohols, C9-11, ethoxylated	68439-46-3	-	-	-
Viable Bacteria Cultures	PROPRIETARY	-	-	-

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Alcohols, C9-11, ethoxylated	68439-46-3	-
Viable Bacteria Cultures	PROPRIETARY	-

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. Federal Regulations

Methylene Chloride notification No Information Available

US EPA SARA 313 This product contains no listed chemicals subject to reporting

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Alcohols, C9-11, ethoxylated	68439-46-3	-	-
Viable Bacteria Cultures	PROPRIETARY	-	-

**US EPA SARA 311/312
hazardous categorization** Not applicable

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
Alcohols, C9-11, ethoxylated	X	-	X	-
Viable Bacteria Cultures	-	-	-	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 1
Flammability 0
Instability 0

HMIS

Health 1
Flammability 0
Physical hazards 0
Personal protection B

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).

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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