Safety Data Sheet

Issue date 21-May-2018 **Revision date** 03-Feb-2022 **Revision Number** 3

1. IDENTIFICATION

Product identification

Product identifier	Javelin™ Drain Deodorizer
Other means of identification	JA1000
Recommended use	Sewer and Drain Maintenance
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
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

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.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol

Signal word DANGER

Hazard statements

H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H317 - May cause an allergic skin reaction

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
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use

Response

General

P308 + P313 - IF exposed or concerned: Get medical advice/attention
P321 - Specific treatment (see supplemental first aid instructions on this label)

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

Skin

P302 + P352 - IF ON SKIN: 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

Ingestion

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

Storage

P405 - Store locked up
P410 - Protect from sunlight
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P403 - Store in a well-ventilated place

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

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 %
D-Limonene	5989-27-5	20-30
1,1-Difluoroethane	75-37-6	5-15
Sodium Lauroyl Sarcosinate	137-16-6	1-10
Anionic Surfactant	151-21-3	1-10

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

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information Avoid contact with eyes, skin, and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

Ingestion Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Most important symptoms (acute) Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

Most important symptoms (over-exposure) Not applicable.

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water fog. Carbon dioxide (CO2). Dry chemical. Cool containers / tanks with water spray.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards Extremely flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Cool containers / tanks with water spray. In the event of fire and/or explosion do not breathe fumes. Sensitivity to static discharge.

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 Use with adequate ventilation to keep exposure levels below the OELS. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces. Vapors can accumulate in low areas. Report spills as required by local and federal regulations.

Methods and materials Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other

for containment and cleaning up

non-combustible material and transfer to containers for later disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

May be irritating to the eyes. Avoid breathing vapors or mists. Exposure to high vapor concentrations may cause nervous system effects such as headache, nausea, and dizziness. Contents under pressure. Do not stick pin, nail, or any other sharp object into opening on top of can. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Incompatible with strong acids, alkalis, or oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
D-Limonene	-			
1,1-Difluoroethane	-			
Sodium Lauroyl Sarcosinate	-			
Anionic Surfactant	-			

Appropriate engineering controls

Use adequate ventilation to keep the exposure levels below the OELs. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant gloves. Chemical resistant apron.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Wear a NIOSH approved organic vapor/particulate respirator. 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

Handle in accordance with good industrial hygiene and safety practice.

Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
D-Limonene	-	-	-	-	-	-	-	-	-	-
1,1-Difluoroethane	-	-	-	-	-	-	-	-	-	-
Sodium Lauroyl Sarcosinate	-	-	-	-	-	-	-	-	-	-
Anionic Surfactant	-	-	-	-	-	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color	White
Odor	Fragrance
Odor threshold	Not available
pH	12.05
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Flash point °C	-50
Flash point °F	-58
Flash point method used	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	0.959
Solubility	Not available
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	Not available

10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.

Conditions to avoid Avoid extreme temperatures. Avoid direct sunlight.

Incompatible materials Incompatible with strong acids, alkalis, or oxidizing agents.

Hazardous decomposition products carbon oxides. Fumes. Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

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

Symptoms Causes serious eye irritation. Causes serious eye damage. May cause an allergic skin reaction. Causes skin irritation. May cause sensitization by skin contact. May be fatal if swallowed and enters airways. Harmful by inhalation. Respiratory irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure May cause damage to organs through prolonged or repeated exposure. Target Organ Effects:. Central nervous system. Eyes. Kidney. Liver. Peripheral Nervous System (PNS). Respiratory system. Skin. Central Vascular System (CVS). Lungs.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
D-Limonene	-	= 5200 mg/kg Rat = 4400 mg/kg Rat = 5300 mg/kg Rat >5 g/kg Rabbit	4400 mg/kg (Rat)
1,1-Difluoroethane	-	-	-
Sodium Lauroyl Sarcosinate	-	-	-
Anionic Surfactant	>3900 mg/m³ Rat	= 1288 mg/kg Rat = 1783 mg/kg Rat 200 mg/kg Rabbit	1288 mg/kg Rat 1783 mg/kg Rat = 200 mg/kg Rabbit

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 1230 mg/l

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
D-Limonene	-	Group 2A Group 3	Present	-
1,1-Difluoroethane	-	-	-	-
Sodium Lauroyl Sarcosinate	-	-	-	-
Anionic Surfactant	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
D-Limonene	-	-	-	-	-	-
1,1-Difluoroethane	-	-	-	-	-	-
Sodium Lauroyl Sarcosinate	-	-	-	-	-	-
Anionic Surfactant	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish LC50
D-Limonene	-	0.619 - 0.796mg/L Pimephales promelas 96h = 35mg/L Oncorhynchus mykiss 96h
1,1-Difluoroethane	-	-
Sodium Lauroyl Sarcosinate	-	= 107mg/L Danio rerio 96h
Anionic Surfactant	=42mg/L Desmodesmus subspicatus 96h =53mg/L Desmodesmus subspicatus 72h 30 - 100mg/L Desmodesmus subspicatus 96h 3.59 - 15.6mg/L Pseudokirchneriella subcapitata 96h =117mg/L Pseudokirchneriella subcapitata 96h	= 4.1mg/L Leuciscus idus 48h 15 - 18.9mg/L Pimephales promelas 96h 8 - 12.5mg/L Pimephales promelas 96h = 1.31mg/L Cyprinus carpio 96h = 4.62mg/L Oncorhynchus mykiss 96h 5.8 - 7.5mg/L Pimephales promelas 96h 13.5 - 18.3mg/L Poecilia reticulata 96h = 7.97mg/L Brachydanio rerio 96h = 4.2mg/L Oncorhynchus mykiss 96h 9.9 - 20.1mg/L Brachydanio rerio 96h 10.2 - 22.5mg/L Pimephales promelas 96h 6.2 - 9.6mg/L Pimephales promelas 96h 4.3 - 8.5mg/L Oncorhynchus mykiss 96h 22.1 - 22.8mg/L Pimephales promelas 96h 4.2 - 4.8mg/L Lepomis macrochirus 96h = 4.5mg/L Lepomis macrochirus 96h 4.06 - 5.75mg/L Lepomis macrochirus 96h 10.8 - 16.6mg/L Poecilia reticulata 96h

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
D-Limonene 5989-27-5	5989-27-5	-	-
1,1-Difluoroethane 75-37-6	75-37-6	-	-
Sodium Lauroyl Sarcosinate 137-16-6	137-16-6	-	-
Anionic Surfactant 151-21-3	151-21-3	1.6	will not bioconcentrate 2.1 - 73 species: fish

Mobility in soil Not available.

Other adverse effects No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal information This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Packing group	
Special Provisions	LTD QTY

TDG

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Packing group	
Special Provisions	LTD QTY

IATA

ID-No	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class(es)	2.1
Subsidiary Risk	
Packing group	
Special Provisions	LTD QTY

IMDG/IMO

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Subsidiary Risk	None
Packing group	
Special Provisions	LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
D-Limonene	5989-27-5	X	X	X
1,1-Difluoroethane	75-37-6	-	-	-
Sodium Lauroyl Sarcosinate	137-16-6	-	-	-
Anionic Surfactant	151-21-3	-	-	-

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
D-Limonene	5989-27-5	-	X	-
1,1-Difluoroethane	75-37-6	X	X	-
Sodium Lauroyl Sarcosinate	137-16-6	-	-	-
Anionic Surfactant	151-21-3	-	-	-

California Prop. 65

Chemical name	CAS-No	California Prop. 65
D-Limonene	5989-27-5	-
1,1-Difluoroethane	75-37-6	-
Sodium Lauroyl Sarcosinate	137-16-6	-
Anionic Surfactant	151-21-3	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
D-Limonene	5989-27-5	-	-
1,1-Difluoroethane	75-37-6	-	-
Sodium Lauroyl Sarcosinate	137-16-6	-	-
Anionic Surfactant	151-21-3	-	-

US EPA SARA 311/312 hazardous categorization

Acute Health Hazard
Chronic Health Hazard
Sudden Release of Pressure Hazard
Fire Hazard
Reactive 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
D-Limonene	X	-	X	-
1,1-Difluoroethane	X	-	X	-
Sodium Lauroyl Sarcosinate	X	-	X	-
Anionic Surfactant	X	-	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 2

Flammability	4
Instability	0

HMIS

Health	2 *
Flammability	4
Physical hazards	1
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 Orgnaization)
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