

Issue Date: 25 September 2015

Revision Date: 1 September 2022

Version 1.2

### 1. IDENTIFICATION

#### Product Identifier

Product Name DrainKleen

#### Other means of identification

SDS # DrainKleen

#### Recommended use of the chemical and restrictions on use

Recommended Use Organic waste digester

#### Details of the supplier of the safety data sheet

##### Manufacturer Address

BioLogix Products Group, Inc.  
1561 Fairview Ave  
St. Louis, MO 63132  
www.BioLogix.com

#### Emergency Telephone Number

Company Phone Number (314)- 423-1885

Emergency Telephone (24 hr) (314)- 997-1905

### 2. HAZARDS IDENTIFICATION

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation	H316
Eye irritation	H320
Respiratory sensitization	H334/ H335

#### GHS Label elements, including precautionary statements

Pictogram



Signal Word: Warning

<b>Code</b>	<b>Hazard Statements</b>
H316	Causes mild skin irritation
H320	Causes eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation

<b>Code</b>	<b>Precautionary statements</b>
P261	Avoid breathing /dust /fume/ gas/ mist/ vapors/ spray
P264	Wash skin thoroughly after handling
P285	In case of inadequate ventilation wear respiratory protection
P302 +P352	IF ON SKIN: Wash with plenty of soap and water
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see supplemental first aid instructions)
P332 + P313	If skin irritation occurs: Get medical advice/ attention
P337 + P313	If eye irritation persists: Get medical advice/ attention
P343 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician
P362	Take off contaminated clothing and wash before reuse
P501	Dispose of contents/ container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	
Bacterial Blend	None Established	
Poly(oxy-1,2-ethanediyl),a-undecyl-w-hydroxy	34398-01-1	
Sodium lauryl sulfate	151-21-3	
Monoethanolamine	141-43-5	
Acrylic resin	9003-01-4	
Oleoresin Capsidum	80023-77-6	
Cymbopogon Nardus	8000-29-1	
Tetrasodium ethylenediamine tetraacetate	64-02-8	

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>Ingestion</b>	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. If conscious give large amounts of water. Seek immediate medical attention/advice.

#### Most important symptoms and effects

<b>Symptoms</b>	Direct contact with eyes may cause mild irritation. May cause mild skin irritation with prolonged or repeated contact. Ingestion of large amounts may cause irritation, nausea or diarrhea. Inhalation may irritate respiratory tract.
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray (fog). Dry chemical. Carbon dioxide (CO<sub>2</sub>). Foam.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is not flammable or combustible.

**Hazardous Combustion Products** Smoke, fumes or vapors, and oxides of carbon.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not enter confined fire-spaces without protective clothing and self-contained air supply.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protection recommended in Section 8.

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Flush small spills with water. Large spills-confine spill, soak up with approved absorbent, and shovel product into approved container for disposal. For waste disposal, see section 13 of the SDS.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in secured area. Store locked up. Keep container closed when not in use.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** No exposure limits noted for ingredient(s) The following information is given as general guidance

**Appropriate engineering controls**

**Engineering Controls** Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side shields or chemical goggles.

**Skin and Body Protection** Wear protective gloves and protective clothing. PVC gloves. Rubber gloves.

**Respiratory Protection** Not required under normal use conditions.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Citrus / geranium
<b>Appearance</b>	Liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Dark Yellow- Orange		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not Determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	Not Determined	(1=Water)
Water Solubility	Not Determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Contact with incompatible materials.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

Smoke, fumes or vapors, and oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Eye Contact**

May cause irritation, health injuries not expected under normal use

#### **Skin Contact**

May cause irritation, health injuries not expected under normal use

#### **Inhalation**

May cause irritation to the mucous membranes and upper respiratory tract. Health injuries not expected under normal use

#### **Ingestion**

May cause irritation, health injuries not expected under normal use

### Data as Supplied for compounds at 100%

<b>Chemical Name</b>	<b>Oral LD 50</b>	<b>Dermal LD 50</b>	<b>Inhalation LD 50</b>
Poly(oxy-1,2-ethanediyl),a-undecyl-w-hydroxy	> 2,000 mg/kg Species: Rat	> 2000 mg/kg Species: Rabbit	
Monoethanolamine	1.19 (0.79-1.80)ml/kg; slope = 3.84 Species: Rat		
Tetrasodium ethylenediamine tetraacetate	3,030 mg/kg Species: Rat		
Acrylic resin	2,500 mg/kg Species: Rat		
Sodium Lauryl sulfate	1288 mg/kg Species: Rat	10,000 mg/kg Species: Rabbit	
Cymbopogon Nardus Oil	>5,000 mg/kg	4,700 mg/kg	
Oleoresin Capsicum	2,388 mg/kg		

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Ecological studies have not been carried out on this product

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not Regulated NMFC 020400

**IATA**

Not Regulated

**IMDG**

Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories**

	<b>TSCA</b>	<b>DSL</b>	<b>NDSL</b>	<b>EINECS</b>	<b>ELINCS</b>	<b>ENCS</b>	<b>IECSC</b>	<b>KECL</b>	<b>PICCS</b>	<b>AICS</b>
Materials used in this formulation	Present	Present	Present	Present		Present	X	X	X	Present

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### US Federal Regulations

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA 313

Not determined

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### US State Regulations

## 16. OTHER INFORMATION

#### NFPA

#### **Health Hazards**

Not determined

#### **Flammability**

Not determined

#### **Instability**

Not determined

#### **Special Hazards**

Not determined

#### HMIS

#### **Health Hazards**

Not determined

#### **Flammability**

Not determined

#### **Physical Hazards**

Not determined

#### **Personal Protection**

Not determined

**Issue Date:**

25 September-2015

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1 September 2022

**Revision Note:**

Review

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**