

MATERIAL NAME:

ShrinkNFOG™

ShrinkNFOG™

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: ShrinkNFOG™

SDS: 22220-01

Product Code: 22220-01

Recommended Use: Fat, Oil & Grease(FOG) Industrial Applications



Emergency Contact

Kationx™ Corporation

Phone: 321-917-0722

Manufactured By: (Southern Environmental Systems)

4495 Motorsports Dr. Kationx™ Corporation

Concord, NC

28027

870 N. Miramar Ave. Ste. 228

Indialantic, FL 32903

2. HAZARDS IDENTIFICATION

	HMIS	NFPA
REACTIVITY	0	0
HEALTH	1	1
FIRE HAZARD	1	1
PPE	E	



RESPIRATORY HAZARD
DO NOT BREATH DUST

FALL HAZARD
SLIPPERY WHEN WET

3. COMPOSITION

	CAS#	EINECS	Weight%	Classification
Enzyme - Biological Blend:	Proprietary	Proprietary	20 to 40	Not Classified
Water:	7732-18-5	215-185-5	60 to 80	Not Classified

4. FIRST AID MEASURES

Eye Contact:	Rinse cautiously with water for 15 Minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice and attention.
Inhalation:	If inhaled, remove the person to fresh air and keep them in comfortable resting position. Keep the airways clear so they can breath easily.
Skin Contact:	Wash with soap and water. Take off contaminated clothing and wash it thoroughly before reuse. If skin irritation occurs, get medical advice and attention.
Ingestion:	If swallowed, give water or milk to the victim to drink to dilute the product. Wash out the mouth with water and remove the victim to fresh air. Never induce vomiting. If a person is unconscious or is having convulsions, never induce vomiting or make them drink.
Symptoms Immediate:	Eye irritation if exposed.
Symptoms Delayed:	Gastrointestinal effects. Potential for respiratory tract irritation or mild skin rash.

5. FIREFIGHTING MEASURES

Extingusihing Media:	Non/Flammable/Non-Combustionable/Non-Explosive <i>unless deliberately dried</i> out and exposes to an open flame for several minutes. If so, this will smolder and should be treated as a flammable dust and extinguished via fire blanket or dry chemical powder.
Specific Hazards:	N/A
Unusual Hazards:	N/A
Specific Methods:	No special methods required.

6. ACCIDENTAL RELEASE MEASURES

Avoid inhalation and ingestion of the liquid product. Avoid contact with eyes. Beware of slip hazard on wet surfaces. May be collected and disposed of without special measures. Flush to waste treatment sewer (product is biodegradable). Thoroughly wash any equipment or materials used to contain or collect the product before reuse. Disposable products contaminated with the product, such as paper towels, may be disposed of normally.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this selection.

7. HANDLING & STORAGE

FOR COMMERCIAL AND INDUSTRIAL USE ONLY. Avoid contact with eyes and lungs. Store in a dry area. Do not crush or invert the plastic containers. Do not stack the containers.

When opening, carefully remove the lid to relieve any build-up pressure. Do not stand directly above lid or point this directly at someone while opening to avoid potential pressurized gas exposure. Do not spill material on your hands, skin, clothing or eyes. Do not inhale mists or vapors of the product. Use product in areas with adequate ventilation. Wash thoroughly with soap and water after using.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures to Reduce Exposure:	When in storage, keep open bottle on a spill tray to keep potential leakages contained. Treat spilled fluid with 10% bleach-in-water solution to disinfect it before final disposal.
Respiratory Protection:	No special requirements under normal use conditions, although a mask to avoid inhalation may be used.
Eye Protection:	Wear side-shield safety glasses or chemically resistant goggles to avoid splashing.
Hand Protection:	No special requirements under normal use conditions. Gloves recommended.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practices. Always wash with soap and warm water for a minimum of 30 seconds after use.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State/Appearance:	Viscous liquid - Light Tan to brown, may have a tinge of green	Auto-Ignition Temperature	N/A Does not ignite
Dilution pH:	6.5 to 8.5	Odor/Taste	Do not drink. Yeast-like odor.
Specific Gravity:	1.5 to 59 F (15 C)	Polymerization	None
Melting Point/Range:	N/A	Corrosiveness	Non-corrosive in presence of glass.
Density:	N/A	Flash Point	N/A
Boiling Point/Range:	N/A	Solubility	Moderate, contains bacteria.
Decomposition Temp.	N/A	Partition Coefficient (n-octanol/water)	N/A
VOC	N/A	Viscosity	N/A

10. STABILITY AND REACTIVITY

Product Stability:	The product maintains the neutral pH of 7.
Hazardous Information:	See Section 2.

Incompatibility:	This product is incompatible with strong acids, alkalis, oxidants and other bio-toxic materials that may inactivate the biological cultures. No hazardous decomposition or polymerization will occur.
Hazardous Decomposition Products:	Although non-toxic, the biologic and enzymatic agents will metabolize fats, oils and grease along with sugars, starches, simple proteins and fertilizer compounds into their constituent molecules. Only marginal pH lowering is seen as free fatty acids, lactate and other acidic compounds are formed and digested in turn.
11. TOXICOLOGICAL INFORMATION	
Acute Toxicity:	N/A
Component Information:	See Section 3.
Ingestion:	Prolonged exposure may affect the digestive system. Although the bacterial strains used are non-toxic to humans. They may adversely affect an individual's gut microbiota.
Inhalation:	No known significant effects or critical hazards.
Skin Contact:	No known significant effects or critical hazards.
Eye Contact:	No known significant effects or critical hazards.
Immediate Effects:	No known significant effects or critical hazards.
Delayed Effects:	No known significant effects or critical hazards.
Medical Conditions Aggravated by exposure:	No known significant effects or critical hazards.
Irritation/Corrosivity Data:	No known significant effects or critical hazards.
Respiratory Sensitization:	No known significant effects or critical hazards.
Dermal Sensitization:	No known significant effects or critical hazards.
Germ cell Mutagenicity:	No known significant effects or critical hazards.
Carcinogenic Effect:	None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH or NTP.
Reproductive Toxicity:	No data available for this mixture.
Target Organ Effects:	May cause damage to respiratory system and gastrointestinal tract through prolonged exposure.
12. ECOLOGICAL INFORMATION	
Biodegradation:	The product itself is not toxic and is easily broken down by soil and aquatic microbes. Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
13. DISPOSAL CONSIDERATION	
Waste from residues/unused products:	Dispose according to all applicable federal, state, and local laws and regulations. No EPA Waste Numbers have been assigned for this product's components.
14. TRANSPORTATION INFORMATION	
No restrictions regarding transportation of this product. This product is not regulated as a hazardous material for transportation in current form by the U.S. DOT, Canadian Transportation or Dangerous Goods or International Maritime Dangerous Goods.	
15. REGULATORY INFORMATION	
SARA Title III Section 302 Extremely Hazardous Substances:	This product does not contain extremely hazardous material subject to reporting requirements of section 302, Title III, Superfund Amendments and Reauthorization Act.

SARA Title III Section 311 and 312 Health and Physical Hazard Categories per 40 CFR 370.2:	Immediate - Yes; Delayed-Yes; Fire-No; Pressure-No; Reactivity-No
SARA Section 313 Notification:	This product does not contain toxic chemicals subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA:	Product is listed in Initial Inventory, Vol. 1, Appendix A.
CERCLA:	not a CERCLA listed hazardous substance.
California Proposition 65:	WARNING - this product may contain extremely small amounts of one or more naturally occurring materials known to the State of California to cause cancer, birth defects or other reproductive harm
PA Special Hazardous Substance list:	Regulated under PA Code Chapter 323.
Stockholm Convention:	This product is not subject to the Stockholm Convention.
Montreal Convention:	This product is not subject to the Montreal Convention.
Rotterdam Convention:	This product is not subject to the Rotterdam Convention:
National Inventories:	DSL (Canada): Listed. NDSL (Canada): Not Listed. PICCS (Philippines): Listed KECI (Korea): Listed ENCS (MITI) (Japan): Listed AICS (Australia): Listed IECSC (China): Listed EINECS (Europe): Listed.
Reach Status:	Exempt (Annex v.7). Product is a naturally occurring blend of soil and aquatic bacteria along with the secreted enzymes they produce.

16 OTHER INFORMATION

Notice to reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express, or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

More information available at www.Kationx.com.

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