

MATERIAL NAME:
PLMMRS HLPR™

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SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: PLMMRS HLPR™
SDS: 19220-01
Product Code: 19220-01
Recommended Use: Fats, Oils and Grease (FOG Remover)



Emergency Contact
Kationx™ Corporation
Phone: 321-917-0722
Manufactured By:
Kationx™ Corporation
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
Alumino-Silicate Blend:	Proprietary	Proprietary	80 to 90	Not classified
Quartz - Crystalline Silica:	14808-60-7	238-878-4	10 to 15	
Titanim Dioxide:	13463-67-7	136-675-5	1 to 5	Carc 2-H351
Water:	7732-18-5	215-185-5	1 to 3	Not classified

4. FIRST - AID MEASURES

Eye Contact: Flush immediately with plenty of water for 15 minutes. If irritation persits, get medical attention.
Inhalation: If breathing is difficult, move to area with fresh air and assume a comfortable resting position. Use artificial respiration and get medical attention if required.
Skin Contact: Flush immediately with plenty of water. If irritation develops get medical attention.
Ingestion: If swallowed, give a cupful of water or milk. Never induce vomiting. If a person is unconscious, never induce vomiting or make them drink.
Symptoms Immediate: Skin irritation. Eye irritation. Respiratory tract inrritation.
Symptoms Delayed: Gastrointestinal effects. Respiratory tract irritation.

5. FIREFIGHTING MEASURES

Extinguishing Media: Non-flammable/Non-comustionable/Non-explosive
Specific Hazards: N/A
Unusual Hazards: N/A
Specific Methods: No special methods required.

6. ACCIDENTAL RELEASE MEASURES

Aboid breathing dust. Avoid contact with eyes. Beware of slip hazard on wet surfaces. May be collected and disposed of without special measures.

7. HANDLING & STORAGE

FOR COMMERCIAL AND INDUSTRIAL USE ONLY. Avoid contact with eyes and lungs. Avoid dust accumulation in storage. Store in dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures to Reduce Exposure:	Ventilate and filter enclosed rooms and spaces to remove dust hazard.
Respiratory Protection:	Wear dust mask to avoid inhalation.
Eye Protection:	Wear side-shield safety glasses or chemically resistant goggles.
Hand Protection:	No special requirements under normal use conditions. Gloves recommended.
Hygiene Protection:	Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State Appearance:	Solid (Powder - Dark Gray to Brown N/A Does not Ignite	Auto-Ignition Temperature
Dilution pH	6 to 8 Diatomaceous	Odor/Taste
Specific Gravity:	2.6 (water = 1) None	Polymerization
Melting Point/Range	>1500C Non-corrosive in presence of glass.	Corrosiveness
Molecular Weight:	258.2 g/mole N/A	Vapor Density
Density:	8.45 lbs/gal N/A	Flash Point
Boiling Point/Range:	N/A Insoluble in cold or hot water, solvents alcohols	Solubility
Decomposition Temp:	Loses crystalline water and absorbed gases at 500-900C (930) Partition Coefficient (n-octanol:water)	N/A
VOC	N/A N/A	Viscosity

10. STABILITY AND REACTIVITY

Product Stability:	This product maintains the neutral pH of 7
Hazardous Information:	See section 2
Hazardous Decomposition Products:	When exposed to high temperatures, free quartz can change crystal structure to form tridymite (>870C) or cristobalite (>470C) that have greater health hazards than quartz.
Tidymite and Cristobalite (TWA-TLV)	0.025 mg/m3

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	N/A
Component Information:	See Section 3
Chronic Human Toxicity	Prolonged exposure may affect the respiratory system.
Toxicity to Animals	Quartz - Crystalline Silica - Oral LD50 Rat 500 mg/kg Titanium dioxide: Oral LD50>1000 mg/kg Water: Oral LD50 Rat>90 mL/kg
Carcinogenic Effects	Proprietary Al-Si Blend: ACGIH: A4 Not Classifiable as a Human Carcinogen Quartz - Crystalline Silica - CAS N° 14808-60-7 - ACGIH: A2 -Suspected Human Carcinogen; IARC: Group 1 - Carccinogenic to humans. Carbon - CAS 744-44-0 - ACGIH:A4 - Not Classifiable as a Human Carcinogen.

Mutagenic Effects:	Titanium dioxide - CAS No 13463-67-7: ACGIH: A4 - Not classifiable as a human Carcinogen; IARC: Group 2B - Possibly carcinogenic to humans.
Target Organ Effects:	N/A
	May cause damage to respiratory system and gastrointestinal tract through prolonged exposure.
12. ECOLOGICAL INFORMATION	
Biodegradation:	The product itself is not toxic.
13. DISPOSAL CONSIDERATIONS	
	Waste from residues/unused products: Dispose according to all applicable federal, state, and local laws and regulations.
14. TRANSPORTATION INFORMATION	
	No restrictions regarding transportation of this product.
15. REGULATORY INFORMATION	
SARA Title III Section 302 Extreme 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 amount of one or more naturally occurring materials known to 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 Protocol:	This product is not subject to the Montreal Protocol.
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 mineral.
16. OTHER INFORMATION	
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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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