

SAFETY DATA SHEET

1 – IDENTIFICATION

Product Name: ODR&FOG™ / KCD-X™	Emergency Information Contact: Kationx Corporation Telephone: 321.914.0722
SDS#: 19220-02	
Product Code: 19220-02	Manufactured By: Kationx Corporation 442 Fourth Avenue Indialantic, FL 32903
Recommended Use: H2S – Odor, Fat, Oil & Grease (FOG) Remover	

2 – HAZARDS IDENTIFICATION

<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20%;"></td> <td style="width: 15%;">HMIS</td> <td style="width: 15%;">NFPA</td> </tr> <tr style="background-color: #ffff00;"> <td style="background-color: #ffff00;">REACTIVITY</td> <td style="background-color: #ffff00;">0</td> <td style="background-color: #ffff00;">0</td> </tr> <tr style="background-color: #add8e6;"> <td style="background-color: #add8e6;">HEALTH</td> <td style="background-color: #add8e6;">1</td> <td style="background-color: #add8e6;">1</td> </tr> <tr style="background-color: #ff0000;"> <td style="background-color: #ff0000;">FIRE HAZARD</td> <td style="background-color: #ff0000;">0</td> <td style="background-color: #ff0000;">0</td> </tr> <tr style="background-color: #e0e0e0;"> <td style="background-color: #e0e0e0;">PPE</td> <td style="background-color: #e0e0e0;">E</td> <td style="background-color: #e0e0e0;">0</td> </tr> </table>		HMIS	NFPA	REACTIVITY	0	0	HEALTH	1	1	FIRE HAZARD	0	0	PPE	E	0	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; text-align: center; padding: 5px;"> </td> <td style="padding: 5px;"> RESPIRATORY HAZARD DO NOT BREATHE DUST </td> </tr> <tr> <td style="text-align: center; padding: 5px;"> </td> <td style="padding: 5px;"> FALL HAZARD SLIPPERY WHEN WET </td> </tr> </table>		RESPIRATORY HAZARD DO NOT BREATHE DUST		FALL HAZARD SLIPPERY WHEN WET
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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	
Carbon	744-44-0	231-153-3	2 to 6	
Titanium 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 persists, 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 irritation.
Symptoms delayed:	Gastrointestinal effects. Respiratory tract irritation.

5 – FIREFIGHTING MEASURES

Extinguishing Media	Non-flammable / Non-combustible / Non-explosive
Specific Hazards	N/A
Unusual Hazards	N/A

Specific Methods	No special methods required
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6 – ACCIDENTAL RELEASE MEASURES

Avoid 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 Measures	Handle in accordance with good industrial hygiene and safety practices.

9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State / Appearance	Solid (powder) - Light grey to brown	Auto-ignition Temperature	N/A - Does not ignite
Dilution pH	6 to 8	Odor / Taste	Diatomaceous
Specific Gravity	2.6 (water = 1)	Polymerization	None
Melting Point / Range	>1500C	Corrosiveness	Non-corrosive in presence of glass
Molecular Weight	258.2 g/mole	Vapor Density	N/A
Density	8.45 lbs/gal	Flash Point	N/A
Boiling Point / Range	N/A	Solubility	Insoluble in cold or hot water, solvents, alcohols
Decomposition Temp.	Loses crystalline water at 500C (930F)	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.
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 >10000 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 - Carcinogenic to humans.
	Carbon - CAS 744-44-0 - ACGIH: A4 - Not Classifiable as a Human Carcinogen.
	Titanium dioxide - CAS No 13463-67-7: ACGIH: A4 - Not Classifiable as a Human Carcinogen; IARC: Group 2B - Possibly carcinogenic to humans.
Mutagenic Effects	N/A
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.
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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 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 State of California to cause cancer, birth defects or other reproductive harm.
PA Special Hazardous Substances 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

This Safety Data Sheet was last revised on March 5, 2022.

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More information available at www.kationx.com.