

**MATERIAL NAME:**  
SETTApHY™

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# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product Name:** SETTApHY™  
**SDS:** 18215-02  
**Product Code:** 18215-02  
**Recommended Use:** Wastewater Treatment Biosolids & Digester



**Emergency Contact**  
**Kationx™** Corporation  
Phone: 321-917-0722  
**Manufactured By:**  
**Kationx™** Corporation  
Indialantic, FL 32903  
870 N. Miramar Ave. Ste. 228

## 2. HAZARDS IDENTIFICATION

	HMIS	NFPA
<b>REACTIVITY</b>	0	0
<b>HEALTH</b>	1	1
<b>FIRE HAZARD</b>	1	1
<b>PPE</b>	E	



**RESPIRATORY HAZARD**  
**DO NOT BREATHE DUST**  
  
**FALL HAZARD**  
**SLIPPERY WHEN WET**

## 3. COMPOSITION

	CAS#	EINECS	WEIGHT%	CLASSIFICATION
<b>Alumino-Silicate Blend:</b>	Proprietary	Proprietary	60 to 90	Not Classified
<b>Water:</b>	7732-18-5	215-185-5	1 to 20	Not Classified
<b>Titanium Dioxide:</b>	13463-67-7	136-675-5	1 to 5	Carc 2-H351
<b>Toxicological Data:</b>				Non-Toxic

## 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 rest position. Use artificial respiration and get medical attention if required.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Non-Flammable/Non-Cumbustible/Non-Explosive.  
**Specific Hazard:** N/A  
**Unusual Hazards:** N/A  
**Specific Methods:** No special methods required.

## 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical State/Appearance:</b>	Solid (powder) - Light grey to brown	Auto-Ignition	N/A does no ignite.
<b>Dilution pH:</b>	6 to 8	Odor/Taste	Diatomaceous
<b>Specific Gravity;</b>	2.6 (water =1)	Polymerization	None
<b>Melting Point/Range:</b>	.1500C	Corrosiveness	Non-corrosive in presence of glass
<b>Molecular Weight:</b>	258.2 g/mole	Vapor Density	N/A
<b>Density:</b>	8.45 lbs/gal	Flash Point	N/A
<b>Boiling Point/Range:</b>	N/A	Solubility	Insoluble in cold or hot water, solvents, alcohol.
<b>Decomposition Temp:</b>	Loses Crystalline Water at 500C (930F)	Partition Coefficient (n-octanol/water)	N/A
<b>VOC:</b>	N.A	Viscosity	N/A

## 10. STABILITY AND REACTIVITY

<b>Product Stability:</b>	Products maintains neutral PH of 7.
<b>Hazardous Informaiton:</b>	See Section 2.
<b>Hazardous Decompostion Products:</b>	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.
<b>Tidymite and Cristobalite (TWA-TLV):</b>	0.025 mg/m3.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	N/A
<b>Component Information:</b>	See Section 3.
<b>Chronic Human Toxicity:</b>	Prolonged exposure may affect the respiratory system.
<b>Toxicity to Animals:</b>	Titanium dioxide (13463-67-7): Oral LD50 > 10000 mg/kg Water (7732-18-5): Oral LD50 Rat > 90 mL/kg.
<b>Carcinogenic Effects:</b>	Proprietary Al-Si Blend: ACGIH: A4 - Not Classifiable as a Human Carcinogen.. Titanium dioxide - CAS No 13463-67-7: ACGIH: A4 - Not Classifiable as a Human Carcinogen.
<b>Mutagenic Effects:</b>	N/A
<b>Target Organ Effects:</b>	Prolonged exposure may affect the respiratory system.

## 12. ECOLOGICAL INFORMATION

<b>Biodegradation:</b>	Acting as a flocculant, product may bind with toxic materials. The product itself is not toxic.
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## 13. DISPOSAL CONSIDERATIONS

Waste from residues and 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

<b>SARA Title III Section 302 Extremely Hazardouse Substances:</b>	This product does not contain extremely hazardous material subject to reporting requirements of section 302, Title III, Superfund Admendments and Reauthorization Act.
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<b>SARA Title III Section 311 and 312 Health and Physical Hazard Categories per 40 CFR 370.2:</b>	Immediate - Yes; Delayed-Yes; Fire-No; Pressure-No; Reactivity-No
<b>SARA Section 313 Notification:</b>	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.
<b>TSCA:</b>	Product is listed in Initial Inventory, Vol. 1, Appendix A.
<b>CERCLA:</b>	not a CERCLA listed hazardous substance.
<b>California Proposition 65:</b>	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
<b>PA Special Hazardous Substance list:</b>	Regulated under PA Code Chapter 323.
<b>Stockholm Convention:</b>	This product is not subject to the Stockholm Convention.
<b>Montreal Convention:</b>	This product is not subject to the Montreal Convention.
<b>Rotterdam Convention:</b>	This product is not subject to the Rotterdam Convention:
<b>National Inventories:</b>	DSL (Canada): Listed. NDSL (Canada): Not Listed. PICCS (Phillipines): Listed KECI (Korea): Listed ENCS (MITI) (Japan): Listed AICS (Australia): Listed IECSC (China): Listed EINECS (Europe): Listed.
<b>Reach Status:</b>	Exempt (Annex v.7). Product is naturally occurring mineral.

## 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](http://www.Kationx.com).

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