

MATERIAL SAFETY DATA SHEET**LIQUID SETTApHY™ WWTP Settling Agent****Liquid SETTApHY™**

	HMIS	NFPA	PPE/Personal Protective Equipment
Reactivity	0	0	
Health	1	1	Skin & Eye Irritation/Dust; Slipping Hazard when Wet
Fire Hazard	0	0	
PPE	E	0	Wear Eye Goggles. Long sleeves recommended

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	SETTApHY Impact - Fast Flocculant	Kationx Corp.
MSDS #:	18215-10	870 N. Miramar Ave.
Product Code:	18215-10	Indialantic, FL 32903
Recommended Use:	Flocculant for Water & Wastewater Treatment	Phone: 321-914-0722
Emergency Telephone Numbers:	Kationx: 321-914-0722 CHEMTREC: 800-424-9300	MSDS Internet Address: www.kationx.com

2. HAZARDS IDENTIFICATION

Classification: Specific Target Organ Toxicity - Assumed to be non-toxic.

Label Elements:

Signal Word: CAUTION

Hazard Statements:	H315	May cause skin irritation
	H319	May cause eye irritation

Precautionary Statements: P501:Dispose of contents/containers in accordance with local regulation

**3. COMPOSITION**

	CAS#	EINCS	Weight/% Classification
Proprietary Alumino-Silicate Blend	Proprietary	Proprietary 25 to 30%	Not Classified
Water	7732-18-5	215-185-5 70 to 75%	Not Classified
Titanium Dioxide	13463-67-7	136-675-5 0.1 to 0.3%	Carc 2-H351
Sodium Silicate	1344-09-8	215-687-4 0.1 to 0.5%	Not Classified

Naturally Occurring Minerals

Toxicological Data - assumed to be non-toxic

4. FIRST AID MEASURES

Eye/Skin Contact:	Eyes: Flush immediately with plenty of water for 15 minutes. If irritation persists, get medical attention.
Inhalation:	No inhalation hazard
Ingestion:	If swallowed, give a cupful of water or milk. Never induce vomiting. Never make an unconscious person drink, or induce vomiting.
Symptoms Immediate:	Eye irritation.
Symptoms Delayed:	Gastrointestinal effects.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	N/A Non flammable/Non-combustible/Non-explosive
Specific hazards:	None Known.
Unusual hazards:	None Known.
Specific methods:	No special methods required.
NFPA 704M	Health: 1 Flammable 0 Reactivity 0

6. MANUFACTURER/SUPPLIER

Kationx Corp.

870 N. Miramar Ave. #228

Indianapolis, FL 32903

Phone: 321-914-0722

MSDS Internet Address:

www.kationx.com

Manufactured in USA

Using U.S. - sourced materials

Packaging made in USA

Operated by U.S. Military Veterans



EMERGENCY OVERVIEW

CAUTION: LIQUID MAY CAUSE EYE IRRITATION

7. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use recommended personal protective equipment. Keep unnecessary people away.

Wet material is slippery, and is a slip/fall hazard.

Environmental Precautions: Clean-up methods: None/natural mineral; Remove as CDW Dirt in trailer, bin or bag.

8. HANDLING AND STORAGE

Handling: Avoid contact with eyes/GI tract. FOR COMMERCIAL AND INDUSTRIAL USE ONLY

Storage: Mix weekly to resuspend contents. May store indoors or outdoors. Avoid freezing contents/icy weather.

KEEP OUT OF REACH FROM CHILDREN.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures to Reduce Exposure: Ventilate and filter enclosed rooms & spaces to remove dust hazard

Personal Protective Equipment: Protect from dust with eye protection (goggles) and lung protection (face mask).

Eye Protection: Wear side-shield safety glasses or chemically resistant goggles.

Hand Protection: No special requirements under normal use conditions. Gloves recommended.

Skin and Body Protection: No special requirements under normal use conditions. Wear long sleeves; long pants.

Respiratory Protection: Wear Face Mask.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Hazardous Ingredient Weight % (Approx.)	CAS#	OSHA 8 hr PEL*	ACGIH TLV*
		Long term exposure	Long term exposure
Proprietary Al-Si Blend 25%	Proprietary	Not applicable	Not applicable
NaSi 0.3 to 0.4%	1344-09-08		
Titanium Dioxide 0.2 - 0.3%	13463-67-7		

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance	Liquid. Light gray.
Dilution pH	6.5 to 7.5
Specific Gravity	1.5 (water =1)
Melting Point/Range:	N/A
Molecular Weight:	236 g/mole
Density:	9.2 lbs/gal
Boiling Point/Range:	Not Applicable
Decomposition Temperature:	Not Applicable
VOC:	Not Applicable
Odor/Taste:	Earthy Odor.
Autoignition Temperature:	Not Applicable. Does not ignite
Polymerization:	Hazardous polymerization does not occur
Corrosiveness:	Non-corrosive in presence of glass
Vapor Density:	Not Applicable
Flash Point:	Not Applicable

Partition Coefficient (n-octanol:water):	Not Applicable			
Solubility:	Insoluble in cold or hot water, solvents, alcohols			
Viscosity:	Not Applicable			
11. STABILITY AND REACTIVITY				
Product Stability	The product is stable			
Hazardous Polymerization	Hazardous polymerization does not occur			
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)= 0.025mg/m3.)			
12. TOXICOLOGICAL INFORMATION				
Acute Toxicity:	None Known			
Component information:	See Section 3			
Chronic Human Toxicity:	Prolonged exposure may affect skin and eye sensitivity			
Toxicity to Animals:				
Titanium dioxide (13463-67-7)	Oral LD50>10000mg/kg			
Water (7732-18-5)	Oral LD50 Rat>90mL/kg			
Sodium silicate (1344-09-8)	Oral LD50 Rat>3400mL/kg			
Carcinogenic Effects:				
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 IARC: Group 2B - Possibly carcinogenic to humans			
Sodium silicate (1344-09-8)	ACGIH: A4 - Not Classifiable as a Human Carcinogen			
Mutagenic Effects:	None Known			
Reproductive Toxicity:	None Known			
Target Organ Effects:	Target organs include ears, skin, respiratory systems, gastrointestinal tract.			
Specific Organ Toxicity - Repeated Exposure:	Causes damage to eyes, skin, respiratory systems, and gastrointestinal tract through prolonged or repeated exposure.			
13. ECOLOGICAL INFORMATION				
Environmental information: No data available. The product itself is a naturally occuring mineral.				
Biodegradation: Acting as a flocculant, product may bind with toxic materials. The product itself is not toxic.				
14.DISPOSAL CONSIDERATIONS				
EPA Waste Number:	Not regulated			
DOT Classification:	Not regulated			
IMO Classification:	Not regulated			
Internal UN:	Not regulated			
IMDG Code:	IMDG Code: This product is not considered to be a marine pollutant.			
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 Reathorization Act of 1986 and 40 CFR Part 355. Sara Title III Section 311 and 312 Health and Physical Hazard Categories per 40 CFR 370.2:				
Immediate	Delayed	Fire	Pressure	Reactivity
Yes	Yes	No	No	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 CERLA listed hazardous substance				

Page 3

California Proposition 65: WARNING: This product may also 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.

NJ Special Health Hazardous Substances List [4]: RTK Hazardous Substance List; Substance number 4016.

PA Special Hazardous Substances List: Regulated under PA Code Chapter 323.

Other Right to Know States: Massachusetts, Rhode Island, Minnesota

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 (Phillippines):	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

Reason for revision: Not Applicable

Additional Advice: None

Note 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.

Liquid SETTAphy™ Flocculant MSDS
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