

Safety Data Sheet SIP6943.0 Date of issue: 01/04/2016 Version: 1.0

	e/mixture and of the company/undertaking			
1.1. Product identifier				
Product form : Sub	ostance			
Physical state : Soli	id			
Substance name : PYI	: PYROPHYLLITE			
Product code : SIP	: SIP6943.0			
Formula : Al2	: AI2(Si4O10)(OH)2			
Synonyms : PO	: POTASSIUM ALUMINOSILICATE; HYDRATED ALUMINUM SILICATE			
	: INORGANIC SILICATE			
1.2. Relevant identified uses of the substance of	or mixture and uses advised against			
	emical intermediate research and industrial use only			
1.3. Details of the supplier of the safety data sh	eet			
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:3 info@gelest.com - www.gelest.com	30 PM EST			
1.4. Emergency telephone number				
	EMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)			
SECTION 2: Hazards identification				
2.1. Classification of the substance or mixture				
GHS-US classification				
Not classified				
2.2. Label elements				
GHS-US labeling				
No labeling applicable				
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
No data available				
No data available SECTION 3: Composition/Information on i	ngredients			
No data available SECTION 3: Composition/Information on i 3.1. Substance				
No data available SECTION 3: Composition/Information on i 3.1. Substance	ngredients ti-constituent			
No data available SECTION 3: Composition/Information on i 3.1. Substance Substance type : Mul				
No data available SECTION 3: Composition/Information on i 3.1. Substance Substance type : Mul Name : PYI	ti-constituent			
No data available SECTION 3: Composition/Information on i 3.1. Substance Substance type : Mul Name : PYI	ti-constituent ROPHYLLITE			
No data available SECTION 3: Composition/Information on i 3.1. Substance Substance type : Mul Name : PYI CAS No : 122	ti-constituent ROPHYLLITE 169-78-2			
No data available SECTION 3: Composition/Information on i 3.1. Substance Substance type : Mul Name : PYI CAS No : 122 Name	ti-constituent ROPHYLLITE 169-78-2 Product identifier % GHS-US classification			

3.2. Mixture

Not applicable			
SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general	 Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. 		
First-aid measures after inhalation	: Remove victim to fresh air and unwell, seek medical advice.	I keep at rest in a position comfortable for breath	iing. If you feel
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	: Wash with plenty of soap and water.		
First-aid measures after eye contact	present and easy to do. Continue rins	h water for at least 15 minutes. Remove contact lenses, if ing. Get medical advice/attention.	
First-aid measures after ingestion	: Never give anything by mouth to an u	nconscious person. Get medical advice/attention.	
4.2. Most important symptoms and effects	s, both acute and delayed		
Symptoms/injuries after inhalation	: May cause irritation to the respiratory more than 1% and the crystalline frac	tract. Respirable fractions of quartz in this product are no tion is much smaller.	
Symptoms/injuries after skin contact	: May cause skin irritation.		
Symptoms/injuries after eye contact	: May cause eye irritation.		
Symptoms/injuries after ingestion	: No information available.		
4.3. Indication of any immediate medical a	attention and special treatment neede	d	
No additional information available			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Not combustible.		
Unsuitable extinguishing media	: None known.		
5.2. Special hazards arising from the subs	stance or mixture		
	: None known.		
5.3. Advice for firefighters			
Protection during firefighting	. Do not enter fire area without proper i	protective equipment, including respiratory protection.	
rotector during menghang	Avoid contact with skin and eyes. Do		
SECTION 6: Accidental release measure	ures		
6.1. Personal precautions, protective equi	pment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment	: Wear protective equipment as describ	ped in Section 8	
Emergency procedures	: Evacuate unnecessary personnel.	Sed in Section 6.	
Emergency procedures	. Evacuate unnecessary personnel.		
6.1.2. For emergency responders			
Protective equipment		suitable protective equipment. Equip cleanup crew with	
	proper protection. For further information protection".	tion refer to section 8: "Exposure controls/personal	
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notify	authorities if product enters sewers or pr	ublic waters.	
6.3. Methods and material for containmen	t and cleaning up		
	: Contain any spills with dikes or absor	bents to prevent migration and entry into sewers or	
Methods for cleaning up	streams. : Sweep or shovel spills into appropriat	e container for disposal	
<u> </u>			
6.4. Reference to other sections See Heading 8. Exposure controls and personal p	rotection		
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
	· Avoid contact with skin and eves Do	not breathe dust. Avoid dust formation. Provide local	
	exhaust or general room ventilation to		
Hygiene measures		euse. Wash hands and other exposed areas with mild	
	soap and water before eating, drinkin	g or smoking and when leaving work.	
7.2. Conditions for safe storage, including	g any incompatibilities		
Storage conditions	: Keep container tightly closed.		
	: None known.		
Storage area	: Store in a well-ventilated place.		
7.3. Specific end use(s)			
No additional information available			
SECTION 8: Exposure controls/perso	nal protection		
8.1. Control parameters			
Silica (quartz) (14808-60-7)			
USA ACGIH ACGIH TWA (mg	g/m³)	0.1 mg/m ³ respirable dust	
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Silica (quartz) (14808-60-7)		
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m ³ nuisance dust
Kaolin, uncalcined (1332-58-7		
	ACGIH TWA (mg/m³)	2 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)
USA NIOSH	NIOSH REL (TWA) (mg/m³)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
2.2. Exposure controls		
ppropriate engineering controls	: Provide local exhaust of	or general room ventilation.
Personal protective equipment		exposure. Emergency eye wash fountains and safety showers should iate vicinity of any potential exposure.
land protection	: Neoprene or nitrile rubl	ber gloves.
ye protection	•	t lenses should not be worn.
Skin and body protection	: Wear suitable protectiv	re clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equip recommended. NIOSH-certified dust and mist (orange cartridge) respirator.	
SECTION 9: Physical and	chemical properties	
.1. Information on basic	physical and chemical properties	
Physical state	: Solid	
ppearance	: Powder.	
lolecular mass	: 360.31 g/mol	
Color	: Cream.	
Odor	: No data available	
Odor threshold	: No data available	
Refractive index	: 1.54	
н	: No data available	
Relative evaporation rate (butyl a	cetate=1) : No data available	
Nelting point	: > 600 °C	
reezing point	: No data available	
Boiling point	: No data available	
lash point	: No data available	
uto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
lammability (solid, gas)	: Not combustible	
apor pressure	: < 0.01 mm Hg @ 20°C	
Relative vapor density at 20 °C	: No data available	
Relative density	: 2.84	
Specific gravity / density	: Typical bulk density, no	ot compacted: 0.40g/cm3; Particle Size: <24 um
OC content	: 100 %	
Solubility	: Insoluble in water.	
og Pow	: No data available	
og Kow	: No data available	
iscosity, kinematic	: No data available	
/iscosity, dynamic	: No data available	

Explosion limits
9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Explosive properties

Oxidizing properties

No additional information available

: No data available

: No data available

: No data available

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10.2. Chemical stability	
Stable.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
None known.	
10.5. Incompatible materials	
None known.	
10.6. Hazardous decomposition products	
None known.	
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Kaolin, uncalcined (1332-58-7)	
LD50 oral rat	14900 mg/kg
ATE US (oral)	14900.000 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
	Limited evidence suggests that the crystalline silica component is a human carcinogen.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract. Respirable fractions of quartz in this product are no more than 1% and the crystalline fraction is much smaller.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: No information available.
SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideration	s
13.1. Waste treatment methods	
Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Landfill. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN number	
Not regulated for transport.	

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14.2. UN proper shipping name			
Not applicable			
14.3. Additional information			
Other information : I	No supplementary information available.		
Transport by sea			
No additional information available			
Air transport No additional information available			
SECTION 15: Regulatory information			
15.1. US Federal regulations			
PYROPHYLLITE (12269-78-2)			
TSCA Exemption/Exclusion	Exempt-Naturally Occurring Substances in accordance with 40 CFR 710.4(b).		
Silica (quartz) (14808-60-7)			
Listed on the United States TSCA (Toxic Substance	es Control Act) inventory		
Pyrophyllite (12269-78-2)			
Not listed on the United States TSCA (Toxic Substa	inces Control Act) inventory		
Kaolin, uncalcined (1332-58-7)			
Listed on the United States TSCA (Toxic Substance	es Control Act) inventory		
15.2. International regulations			
Silica (quartz) (14808-60-7)			
Listed on the AICS (Australian Inventory of Chemic	al Substances)		
Listed on the Canadian DSL (Domestic Substances	List)		
Listed on NZIOC (New Zealand Inventory of Chemica Listed on PICCS (Philippines Inventory of Chemica			
Listed on IECSC (Inventory of Existing Chemical Su			
Listed on the EEC inventory EINECS (European Inv	ventory of Existing Commercial Chemical Substances)		
Pyrophyllite (12269-78-2)			
Listed on the AICS (Australian Inventory of Chemic			
Listed on NZIOC (New Zealand Inventory of Chemic			
Kaolin, uncalcined (1332-58-7)			
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Substances List)			
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)			
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)			
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List)			
Listed on NZIoC (New Zealand Inventory of Chemic	cals)		
Listed on PICCS (Philippines Inventory of Chemical			
Listed on INSQ (Mexican national Inventory of Chemical Substances) Listed on Turkish inventory of chemical			
15.3. US State regulations			
PYROPHYLLITE(12269-78-2)			
U.S California - Proposition 65 - Carcinogens List	No		
U.S. Colifornia Drongoition 65 Developmental	No		

0.0 Damornia - Proposition 00 - Darcinogens Eist		NO		
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No		
U.S California - Proposition 65 - Reproductive Toxicity - Male		No		
Silica (quartz) (14808-60-7)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)

No

No

No

No

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Pyrophyllite (12269-78-2)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)	
No	No	No	No		
Kaolin, uncalcined (1332-5	Kaolin, uncalcined (1332-58-7)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)	
No	No	No	No		
Kaolin, uncalcined (1332-58-7)					

SECTION 16: Other information

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Abbreviations and acronyms Concentration; ATE: Acute Toxicity Estimates; H: hour; •: •C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development. **HMIS III Rating** 1 Slight Hazard - Irritation or minor reversible injury possible Health Flammability 0 Minimal Hazard 0 Minimal Hazard Physical Prepared by safety and environmental affairs. Date of issue: 01/04/2016 Version: 1.0 SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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