

Safety Data Sheet SIZ9696.0 Date of issue: 02/01/2016 Version: 1.0

SECTION 1: Identification of the substa	nce/mixture and of the company/undertaking
1.1. Product identifier	
Product form :	ubstance
Physical state :	olid
Substance name	EOLITE-MORDENITE
Product code :	IZ9696.0
	a0.6Na0.15K0.05Al2Si10O24-7H2O
Synonyms :	IYDRATED CALCIUM SODIUM POTASSIUM ALUMINUM SILICATE; Na-MORDENITE
	NORGANIC SILICATE
1.2. Relevant identified uses of the substance	e or mixture and uses advised against
	chemical intermediate for research and industrial use only
1.3. Details of the supplier of the safety data	sheet
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - info@gelest.com - www.gelest.com	5:30 PM EST
1.4. Emergency telephone number	
	HEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixtu	e
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	
SECTION 3: Composition/Information o	n ingredients
3.1. Substance	
Substance type :	Iono-constituent
Name : .	EOLITE-MORDENITE
CAS No :	2445-20-4
Name	Product identifier % GHS-US classification
Zeolite mordenite	(CAS No) 12445-20-4 97 - 100 Not classified

3.2. Mixture

Not applicable

SECTION 4: First aid measures			
4.1. Description of first aid measure	5		
First-aid measures general		ng and shoes. In case of accident or if you feel u show the label where possible). If possible show abel.	
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.		
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.		
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First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, i present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
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.
	lical attention and special treatment needed
Treat exposures by protocols for mild caustic	
SECTION 5: Firefighting measure 5.1. Extinguishing media	S
Suitable extinguishing media	: Not combustible.
Unsuitable extinguishing media	: Not compassible.
5 5	
5.2. Special hazards arising from the	
Fire hazard	: None known.
Explosion hazard	: None known.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Avoid contact with skin an eyes. Do not breathe dust.
SECTION 6: Accidental release m	easures
	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Wear protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.
Intergency procedures	. Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal
	protection".
6.2. Environmental precautions	
	lotify authorities if product enters sewers or public waters.
6.3. Methods and material for contain	
For containment	 Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	•
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide local
-	exhaust or general room ventilation to minimize exposure to dust.
Hygiene measures	: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, incl	
Storage conditions	: Keep container tightly closed.
ncompatible materials	: None known.
	. Nong NIOWII.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	ersonal protection
8.1. Control parameters	
Zeolite mordenite (12445-20-4)	
	. (TWA) (mg/m ³) 15 mg/m ³ nuisance dust
8.2. Exposure controls	
Appropriate engineering controls	: Provide local exhaust or general room ventilation.
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Hand protection : Neoprene or nitrile rubber gloves. Eye protection : Safety glasses. Contact lenses should not be worn. Skin and body protection : Wear suitable protective clothing. Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (orange cartridge) respirator. SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties Physical state : Solid Appearance : Powder. Hygroscopic. Molecular mass : 874.11 g/mol Color : White. Odor : No data available					
Eye protection: Safety glasses. Contact lenses should not be worn.Skin and body protection: Wear suitable protective clothing.Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (orange cartridge) respirator.SECTION 9: Physical and chemical properties9.1.Information on basic physical and chemical propertiesPhysical state: SolidAppearance: Powder. Hygroscopic.Molecular mass: 874.11 g/molColor: White.Odor threshold: No data availableOdor threshold: No data available	Personal protective equipment	o , , , , , , , , , , , , , , , , , , ,			
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Color : White. Odor : No data available Odor threshold : No data available	Appearance	: Powder. Hygroscopic.			
Odor : No data available Odor threshold : No data available	Molecular mass	: 874.11 g/mol			
Odor threshold : No data available	Color	: White.			
	Odor	: No data available			
Refractive index : 1.47	Odor threshold	: No data available			
	Refractive index	: 1.47			

	. 1.47
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: > 600 °C

Freezing point	: No data available
Boiling point	: No data available

Boiling point	:	No data avail
Floop point		No doto ovoil

Flash point	: No data available
Auto-ignition temperature	: No data available

- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : < 0.001 mm Hg 20°C

Relative vapor density at 20 °C : No data available

- Relative density : Specific gravity / density :
 - : Typical bulk density, not compacted: 0.16g/cm3; Particle Size: <74 um

2.12

- VOC content
 : 0 %

 Solubility
 : Insoluble in water.

 Log Pow
 : No data available

 Log Kow
 : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic: No data availableExplosive properties: No data available
- Oxidizing properties : No data available

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Explosion limits : No data available
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9.2. Other information

No additional information available

SECTIO	DN 10: Stability and reactivity
10.1.	Reactivity
No additio	onal information available
10.2.	Chemical stability
Stable.	
10.3.	Possibility of hazardous reactions
No additio	onal information available
10.4.	Conditions to avoid
None kno	wn.
10.5.	Incompatible materials
None kno	wn.
10.6.	Hazardous decomposition products
None kno	wn.

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SECTION 11: Toxicological informati	on			
11.1. Information on toxicological effects				
Acute toxicity	: Not classified			
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			
Zeolite mordenite (12445-20-4)				
IARC group	3 - Not classifiable			
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.			
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 Image: Comparison of the second secon				
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.				
14.2. UN proper shipping name				
Not applicable				
14.3. Additional information				
Other information	: 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				
ZEOLITE-MORDENITE (12445-20-4)				
TSCA Exemption/Exclusion	Exempt-Naturally Occurring Substances in accordance with 40 CFR 710.4(b)			
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Zeolite mordenite (12445-20-4)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

No additional information available

15.3. US State regulations

ZEOLITE-MORDENITE(12445-20-4)				
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Proposit Toxicity - Female	ion 65 - Reproductive	No		
U.S California - Proposition 65 - Reproductive Toxicity - Male		No		
Zeolite mordenite (12445-20-4)				
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	

SECTION 16: Other information

Abbreviations and acronyms Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal : 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** Health : 1 Slight Hazard - Irritation or minor reversible injury possible 0 Minimal Hazard Flammability Physical : 0 Minimal Hazard

Prepared by safety and environmental affairs.

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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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