



Section 1 – Chemical Product / Company Information

Product Name: ISOLATEK QWIK-SET® **Effective Date:** March 26, 2015

Product Use/Class: Spray-Applied Fire Resistive Materials (SFRM)

Supplier: United States Mineral Products Company **Preparer:** R&D Department
 dba Isolatek International
 41 Furnace Street
 Stanhope, NJ 07874 USA
 (973)-347-1200

In Case of Emergency Call: CHEMTREC **Supersedes:** January 26, 2015

800.424.9300 (USA) +1 703.527.3887 (Int'l)

Section 2 – Hazards Identification

GHS Classification:	Hazard Category	Route of Exposure
Hazard Class		
Skin Irritation	2	Skin
Skin Sensitizer	1	Skin
Eye Irritation	2B	Eye
Inhalation Toxicity	4	Nose/Mouth

Global Harmonization Labeling and Classification:

Signal word: Warning

Hazard Symbol(s): GHS07



Overview: Harmful by ingestion. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Primary Route(s) of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: Sensitive skin; respiratory conditions

Hazard Statements:	
H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H320	Causes eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:	
P202	Do not handle until safety precautions have been read and understood.
P261	Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.
P271	Use only outdoors or in a well ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284	Wear respiratory protection.
P402+P403	Store in a dry place. Store in a well ventilated place.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Response:	
P301+P330 P331+P312	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.
P302+P352+ P332+P313+ P363	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
P304+P340+ P342+P313	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/ attention.
P305+P351+ P338+P337+ P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Storage:	
P402+P403+ P232	Store in a dry place. Store in a well ventilated place. Protect from moisture.

Disposal:	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations (see section 13).

Section 3 – Composition / Information On Ingredients

Chemical Name	CAS Number	Wt. % (Max.)
Aluminum Sulfate (hydrated)	10043-01-3	100

Section 4 – First Aid Measures

General – If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area, see a physician/get medical attention.

First Aid – Skin Contact: Remove contaminated clothing and wash contaminated skin with water.

First Aid – Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention.

First Aid – Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

First Aid – Ingestion: Do not induce vomiting, drink milk or water and immediately seek medical attention. Ingestion may irritate gastrointestinal tract.

Protection of first aid responders: Wear proper personal protective clothing and equipment.

Section 5 – Fire Fighting Measures

- Extinguishing Media:** Not Applicable. Product will not burn.
- Unusual Fire & Explosion Hazards:** If exposed to temperature greater than 1400 °F, Aluminum sulfate will decompose generating toxic and corrosive gas.
- Special Firefighting Procedures:** Do not release runoff from fire control methods to sewers or waterways.

Section 6 – Accidental Release Measures

- Spill/Leak Procedures:** Spill procedures are dictated by site wastewater flow controls and will vary from site to site. General procedures are provided in this document, but authorization for any wastewater discharge must be obtained prior to the discharge.
- Large and Small Spills:** Sweep and shovel up dry chemical and place in a covered container. Wash down residue with large amounts of water and neutralize with soda ash or lime if necessary. Aluminum sulfate solutions can have a pH less than two. The neutralization of aluminum sulfate can generate carbon dioxide. Adequate ventilation must be provided. Do not discharge wastewaters to the environment or a wastewater treatment plant without authorization from the appropriate officials.
- Containments:** Aluminum sulfate may absorb moisture and powders or crystals can solidify into a single mass. Protect aluminum sulfate from moisture.
- Cleanup:** Wash impacted areas with water to remove residues.
- Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120)

Section 7 – Handling And Storage

- Precautions for safe handling:** Minimize and/or control dust while handling.
- Conditions for safe storage:** Store in a cool, dry place. Wet aluminum sulfate will corrode steel.

Section 8 – Exposure Controls / Personal Protection

Permissible Exposure Limits

Chemical Name	CAS Number	OSHA PEL	ACGIH TLV	NIOSH	Mexico
Aluminum Sulfate	10043-01-3	15 mg/m ³ TWA (Total Dust) 5 mg/m ³ (Respirable Fraction)	1 f/cc TWA	2 mg/m ³ TWA (Total Dust)	N/A

- Engineering Controls:** Exhaust fans may be necessary.
- Respiratory Protection:** In case of brief exposure or low pollution use respiratory filter device.
- Skin Protection:** Wear gloves and use hand creams to prevent dry skin.
- Eye Protection:** Wear proper eye protection; at minimum, safety glasses with side shields.
- General protective and hygienic measures:** Avoid contact with the eyes and skin.

Section 9 – Physical And Chemical Properties

Appearance:	White granule or powder
Odor:	Negligible odor
pH of 1% solution:	3.3 ± 0.5
Melting Point (°F):	Not Applicable
Boiling Point (°F):	117 °C (242 °F)
Freezing/Melting Point:	105 °C (221 °F)
Evaporation Rate:	Not Applicable
Flammability:	Not Applicable
Lower Explosive Limit:	Not Applicable
Upper Explosive Limit:	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Bulk Density (kg/mm³):	Not Applicable
Solubility in Water:	Compete
Specific Gravity (H₂O=1):	Not Applicable
Physical State:	Solid
% Volatiles:	0
Density	Varies, < 98 lb/cu ft
Auto ignition temperature	Not Applicable

Section 10 – Stability And Reactivity

Stability: (under normal conditions):	Stable at room temperature in closed containers.
Incompatibility (Materials to Avoid):	Contact with alkalis and water-reactive materials causes exothermic reactions.
Hazardous Decomposition Products:	Thermal oxidative decomposition of Aluminum sulfate occurs at temperatures greater than 1400 °F and can produce sulfur oxides.
Hazardous Polymerization:	Will not occur.

Section 11 – Toxicological Information

Carcinogenicity	ARC			NTP		OSHA	LD50/LC50
	Group 1	Group 2A	Group 2B	Known	Suspect		
Chemical Name							
Aluminum Sulfate	No	No	No	No	No	No	No Data Available

Section 12 – Ecological Information

Ecological Information: No Data Available

Section 13 – Disposal Considerations

Disposal Information: For waste disposal purposes, this product is not known to be designated as hazardous by current provisions under RCRA. Dispose of in accordance with federal, state and local regulations.

Container Cleaning and Disposal: Make sure bags are completely empty and dispose of in accordance with federal, state and local regulations.

Section 14 – Transportation Information

Proper Shipping Name:	Shipping name depends on the packaging. If a package exceeds the RQ, the shipment must meet the requirements of 49 CFR Parts 100-185, including the following shipping name. Otherwise, not hazmat regulated. UN3077, Environmentally Hazardous Substance, solid, n.o.s. (Aluminum sulfate), 9, III, RQ
Technical Name:	Not Applicable
Hazard Class:	9
UN/NA Number:	Not Applicable
Additional Notes:	None

Section 15 – Regulatory Information

U.S. Federal Regulations SARA 311/312	Immediate Health (Acute)	Delayed Health (Chronic)	FIRE	PRESSURE	REACTIVE
	No	Yes	No	No	No

U.S State Regulations	State Hazardous Substance List						
	CAS Number	CA	MA	MN	NJ	PA	RI
	10043-01-3	No	N/A	N/A	Yes	Yes	No

International Regulations as Follows:

Chemical Inventory Status

All chemicals in this product are listed or exempt from listing in the following:

U.S	Canada	Europe	Australia	Korea
TSCA	DSL NDSL	EINECS ELINCS	AICS	ECL
Yes	Yes No	Yes	Yes	Yes

Canadian WHMIS

This SDS has been prepared in compliance with Controlled Product Regulations and contains all information required.

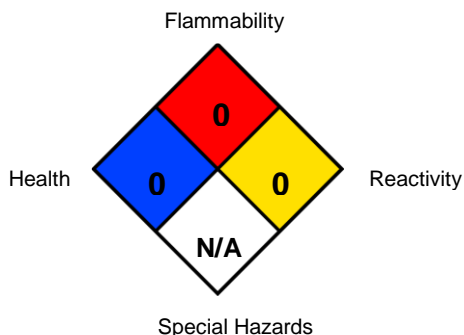
CANADIAN WHMIS CLASS: D2B

HMIS Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	e

Section 16 – Other Information

NFPA



Prepared By: Research Department, U.S.A.
Telephone: (973) 347-1200

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