



Section 1 – Chemical Product / Company Information

Product Name:	ISOLATEK® SBK-113®	Effective Date:	July 27, 2015
Product Use/Class:	Sealer/Bonding/Keycoat for application under fireproofing	Revision Date:	July 19, 2018
Manufacturer:	United States Mineral Products Company dba Isolatek International 41 Furnace Street Stanhope, NJ 07874 USA (973)-347-1200	Preparer:	R&D Department
In Case of Emergency Call:	CHEMTREC 800.424.9300 (USA) +1 703.527.3887 (Int'l)	Supersedes:	March 18, 2013

Section 2 – Hazards Identification

GHS Classification:	Hazard Class	Hazard Category	Route of Exposure
	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, GHS09



Overview: A thick liquid that poses little immediate hazard.

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.
H400	Very toxic to aquatic life.

Precautionary Statements:	
P202	Do not handle until safety precautions have been read and understood.
P261	Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284	In case of inadequate ventilation, wear respiratory protection.
P403	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+ P404+P410+ P411	Store in a dry place. Store in a well ventilated place. Store in a closed container. Protect from sunlight. Store at temperatures not exceeding 38°C/ 100°F.

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)
Styrene-Butadiene Copolymer	9003-55-8	30
Talc	14807-96-6	15
Alkanes, C14-17, chloro	85535-85-9	5
Dolomite	16389-39-8	15
Titanium Dioxide	13463-67-7	10
Yellow Iron Oxide	51274-00-1	5
Red Iron Oxide	1309-37-1	2
Water	7732-18-5	40

Component Regulated Regulatory Information: This product may be regulated, have exposure limits or other information identified as the following: Titanium compounds, iron oxide.

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: Wash with soap and water. Remove contaminated clothing. If persistent irritation occurs, seek medical attention.

First Aid – Eye Contact: Flush eyes thoroughly with copious amounts of water. Seek medical attention if irritation persists.

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

First Aid – Ingestion: If swallowed do not induce vomiting. Rinse mouth out with water. If Irritation persists seek medical attention.

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

Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Repeated or prolonged exposure may cause irritation of eyes and skin.

Section 5 – Fire Fighting Measures

Extinguishing Media: ABC dry chemical, foam or carbon dioxide.

Unusual Fire & Explosion Hazards: The pressure in sealed containers can increase under the influence of heat and rupture.

Special Firefighting Procedures: Wear positive pressure self-contained NIOSH approved breathing equipment and approved protective equipment if necessary. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 – Accidental Release Measures

Personal precautions, Protective Equipment, and Emergency Response: Use personal protective equipment as recommended in section 8.

Environmental precautions: This product contains a component that is very toxic to aquatic life. Keep out of drains, sewers, ditches and waterways. Avoid runoff to waterways and sewers.

Methods and materials for containment and cleaning up: Large spills can be controlled mechanically by pumping for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, sawdust). Clean contaminated floors thoroughly while observing environmental regulations.

Section 7 – Handling And Storage

Precautions for safe handling: When working with any chemical product, use good workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well ventilated conditions. Avoid skin and eye contact. Avoid inhalation of mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse.

Conditions for safe storage: Store between 4 and 38°C (40 and 100°F). Keep away from heat, sparks, and open flames. Avoid extreme heat or cold. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container.

Section 8 – Exposure Controls / Personal Protection

Permissible Exposure Limits

Chemical Name	CAS Number	OSHA (US)	ACGIH	NIOSH	Mexico
Titanium Dioxide	13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	5000 mg/m ³ IDLH	10 mg/m ³ TWA (as Ti) 20 mg/m ³ STEL (as Ti)
Iron Oxide	51274-00-1	5 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA (respirable fraction)

Engineering Controls: Provide ventilation to ensure compliance with applicable exposure limits.

Respiratory Protection: In case of vapor formation use a respirator with an approved filter.

Skin Protection: Wear rubber, nitrile, or latex gloves. Use typical long sleeve work clothing or a "Tyvek" type suit.

Eye Protection: Wear proper eye protection; at minimum, safety glasses with side shields.

Work / Hygienic Practices: Use proper personal protective equipment. Eye wash stations are recommended in the work area. Do not flush product into drains. Follow standard industry hygienic rules, such as but not limited to, not smoking or drinking while using product and washing hands at the end of the day.

Section 9 – Physical And Chemical Properties

Physical State:	Liquid
Color	Yellow
Odor:	Mild, rubber
pH:	7-9
Boiling Point (°F):	210-215 °F
Flash Point:	>200 °F (SCC)
Lower Explosive Limit:	Not Applicable
Vapor Pressure:	Not Applicable
Density:	Not Applicable
Water Solubility :	Partial (40-60%)
Coeff. Water/Oil Dist:	Not Applicable
Volatility:	Not Applicable
Burning Rate:	Not Applicable
Appearance:	Yellow Liquid
Physical Form:	Liquid
Odor Threshold:	Not Applicable
Melting/Freezing Point:	Not Applicable
Decomposition:	300 °F (initial)
Evaporation Rate:	1 (water=1)
UEL:	Not Applicable
Vapor Density (air =1)	Not Applicable
Specific Gravity (water=1)	1.0-1.5
Auto Ignition:	Not Applicable
VOC:	Not Applicable
Oxidizing Properties	Not Applicable
Explosive Properties:	Not Applicable

Section 10 – Stability And Reactivity

Chemical Stability (under normal conditions):	Stable
Possibility of Hazardous Reactions:	None
Conditions to Avoid:	Avoid extreme temperatures and direct sunlight.
Incompatibility:	None known.
Hazardous Decomposition Products:	No hazardous decomposition products are known.
Hazardous Polymerization:	No hazardous polymerization will occur under normal conditions.

Section 11 – Toxicological Information

Component Analysis:

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Styrene-Butadiene Copolymer: Oral LD50 Rat >10,000 mg/kg, Skin rabbit non-irritant, Eye: rabbit non-irritant
Titanium Dioxide: Oral LD50 Rat >10,000 mg/kg
Red Iron Oxide: Oral LD50 Rat: 1,310 mg/kg, Skin rabbit mild irritant, Eye: rabbit irritant

Information on likely routes of exposure:

General: Caution must be exercised through the prudent use of personal protective equipment and handling procedures to minimize exposure.

Eyes: May cause eye irritation.

Skin: Causes skin irritation.

Inhalation: High airborne concentrations of vapor resulting may cause irritation of the respiratory tract and mucous membranes.

Ingestion: Not likely route of exposure but ingestion may cause irritation.

Carcinogenicity	IARC			NTP		OSHA
	Group 1	Group 2A	Group 2B	Known	Suspect	
Chemical Name						
Nonylphenol, branched, ethoxylated (30E0)	No	No	No	No	No	No

Acute toxicity

No toxicity studies have been conducted on this product.

Components

Nonylphenol, branched, ethoxylated (30E0)
LD50 Oral Rat >2000-5000 mg/kg mg/kg

Chronic effects – For this category no toxicological test data is available for the whole product.

Carcinogenicity - For this category no toxicological test data is available for the whole product.

Mutagenicity - For this category no toxicological test data is available for the whole product.

Teratogenicity - For this category no toxicological test data is available for the whole product.

Developmental effects - For this category no toxicological test data is available for the whole product.

Fertility effects - For this category no toxicological test data is available for the whole product.

Target organs – For this category no toxicological test data is available for the whole product.

Review Section 2 for any additional assessments.

Section 12 – Ecological Information

Ecological Information: No ecological testing has been conducted on this product.

Component Analysis – Aquatic Toxicity

Styrene-Butadiene Copolymer

Fish: 96 Hr LC50 Brachydanio rerio: > 100 mg/L
Algae: 96 Hr EC50 Green Algae: > 100 mg/L
Invertebrate: 48 Hr EC50 Daphnia magna: > 100 mg/L

Alkanes, C14-17, chloro

Fish: 96 Hr LC50 Rainbow trout, Donaldson trout (Oncorhynchus mykiss) > 0.1 mg/L

Persistence and degradability: The product is estimated not to be readily biodegradable according to OECD classification. Nonylphenol is a degradation product from nonylphenol derivatives. The degradation product has a higher potential to bioaccumulate than the original product.

Bioaccumulative potential: Not likely

Mobility in soil: N/E

Section 13 – Disposal Considerations

Disposal Information: Do not allow the product to enter drains, water courses or the soil. Liquids can not be disposed of in a landfill. Allow liquid material to dry. Dispose of in accordance with federal, state and local regulations.

Section 14 – Transportation Information

Proper Shipping Name: Not regulated – See Bill of Lading for details
Technical Name: Not regulated
Hazard Class: Not regulated
UN/NA Number: Not regulated
Additional Notes: None

Section 15 – Regulatory Information

US Regulations

HCS Classification Irritating material, Toxic to aquatic organisms

SARA 313 - Supplier Notification None

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

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

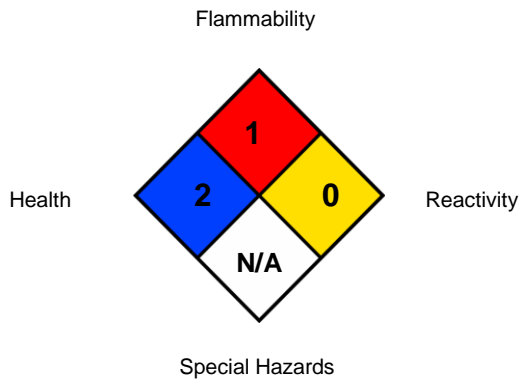
HMIS Ratings

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

Section 16 – Other Information

N/E – Non Established
N/A – Not Applicable

NFPA:



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