



MATERIAL SAFETY DATA SHEET

Section 1 – Chemical Product / Company Information

Product Name: ISOLATEK® SBK-113® Adhesive **Effective Date:** 3/18/13

Product Use/Class: Sealer/Keycoat
Promotes Bond Strength and Adhesion
SBR Copolymer Latex plus Fillers **Supersedes:** New

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

**CHEMTREC Transportation
Emergency Phone #:** 800-424-9300 / 703-527-3887 (Int'l)

Section 2 – 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 3 – Hazards Identification

NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0
Hazard Scale: 0 = minimal 1 = Slight 2 = moderate 3 = serious 4 = severe
Emergency Overview: May cause irritation to the respiratory tract.
POTENTIAL EFFECTS OF OVEREXPOSURE
Inhalation: Irritation, cough, nausea, difficulty breathing
Skin: Irritation
Eyes: Irritation
Ingestion: Gastrointestinal irritation, stomach pain, diarrhea
Medical Conditions prone to Aggravation by Exposure: Sensitive skin; respiratory conditions

Section 4 – First Aid Measures

Skin Contact: Wash affected area with soap and water for at least 15 minutes. If irritation persists, seek medical attention.
Eyes: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. If irritation persists, seek medical attention.
Ingestion: If swallowed, do not induce vomiting. If irritation persists, seek medical attention.

Section 5 – Fire Fighting Measures

Flammable Properties: Slight fire hazard.

Extinguishing Media: Regular dry chemical, carbon dioxide, water, foam

Unsuitable Extinguishing Media: High-pressure water streams

Protective Equipment and Precautions for Firefighters: Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures: Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Hazardous Combustion Products: ammonia, oxides of carbon, oxides of nitrogen, oxides of phosphorus, oxides of titanium

Section 6 – Accidental Release Measures

Occupational spill/release: Stop leak if possible without personal risk. **Small spills:** Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Keep unnecessary people away, isolate hazard area and deny entry.

Section 7 – Handling And Storage

Handling Procedures: Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling.

Storage Procedures: Store in accordance with all current regulations and standards. Avoid extreme heat and cold. Store above freezing. Keep separated from incompatible substances such as strong acids, bases or oxidants.

Section 8 – Exposure Controls / Personal Protection

Component Exposure Limits

Titanium Dioxide

ACGIH: 10 mg/m³ TWA

NIOSH: 5000 mg/m³ IDLH

OSHA (US): 15 mg/m³ TWA (total dust)

Mexico: 10 mg/m³ TWA (as Ti)

20 mg/m³ STEL (as Ti)

Iron Oxide

ACGIH: 5 mg/m³ TWA (respirable fraction)

Ventilation: Provide ventilation to ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face: Wear splash resistant safety goggles.

Protective Clothing: Wear typical long sleeve work clothing or a "TYVEK[®]" type suit.

Glove Recommendations: Wear cloth, rubber or latex type gloves.

Respiratory Protection: A dust mask should be used in cases where individuals are exposed to airborne mists of the material.

Section 9 – Physical And Chemical Properties

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

Section 10 – Stability And Reactivity

Chemical Stability: Stable at normal temperatures and pressure.

Conditions to Avoid: Avoid high temperatures or freezing. Avoid contact with incompatible materials.

Materials to Avoid: Oxidizing materials

Hazardous Decomposition: ammonia, oxides of carbon, oxides of nitrogen, oxides of phosphorus, oxides of titanium

Possibility of Hazardous Reactions: Will not polymerize.

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 >10000 mg/kg

Red Iron Oxide: Oral LD50 Rat 1,310 mg/kg, Skin rabbit mild irritant, Eye: rabbit irritant

Section 12 – Ecological Information

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

Section 13 – Disposal Information

Disposal Methods: Dispose in accordance with all applicable regulations.

Component Waste Numbers: The U.S. EPA has not published waste numbers for this product's components.

Section 14 – Transportation Information

US DOT Information: Not regulated.

Land Transport – TDG: Not classified as a dangerous good under transport regulations

Sea Transport – IMDG: Not classified as a dangerous good under transport regulations

Air Transport – IATA/ICAO: Not classified as a dangerous good under transport regulations

Section 15 – Regulatory Information

U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute Health: Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	IL	FL	RI
Titanium Dioxide	13463-67-7	No	Yes ¹	Yes ¹	Yes ¹	Yes ¹	No	No	Yes ¹
Talc	14807-96-6	No	Yes ¹	No	Yes ¹	Yes ¹	Yes ¹	Yes ¹	No

¹. In an airborne (dry or wet mist) form.

California Proposition 65

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
This product does not contain a chemical known to the State of California to cause cancer.

U.S. Inventory (TSCA)

All the components of this substance are listed on or are exempt from the inventory.

Component Analysis – Inventory

Component	CAS#	TSCA	DSL	NDSL	EINECS	AUST	PHIL	MITI	KOREA	ELINCS	CHINA	SWISS	NZ
Dolomite	16389-88-1	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	No
Talc	14807-96-6	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Styrene-Butadiene Copolymer	9003-55-8	Yes	Yes		Yes	Yes	Yes	Yes	Yes		Yes		Yes
Alkanes, C14-17, chloro	85535-85-9	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes		Yes
Red Iron Oxide	1309-37-1	Yes	Yes		Yes								
Yellow Iron Oxide	51274-00-1	Yes	Yes		Yes								

International Regulation

Canadian WHMIS Class D, Division 2B

Section 16 – Other Information

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; C - Celsius; CAS - Chemical Abstracts Service; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NTP = National Toxicology Program; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

Other Information

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes all risks in his use of the material.

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Summary of Changes

New SDS: 3/18/2013