



Section 1 – Chemical Product / Company Information

Product Name: ISOLATEK® HEAT-SHIELD® ADHESIVE **Effective Date:** July 27, 2015
Product Use/Class: Adhesive for insulation
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:** August 28, 2013
 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: 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. |

| 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. % |
|----------------------------------|------------|-------|
| Vinyl acrylic copolymer emulsion | mixture | <60 |
| Vinyl acetate | 108-05-4 | <0.1 |
| Acetaldehyde | 75-07-0 | <0.1 |

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: The product should not be allowed to enter drains or soil.

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 PEL | ACGIH TLV | NIOSH | Mexico |
|----------------------------------|------------|-------------|-----------|----------------------|--------|
| Vinyl acrylic copolymer emulsion | mixture | N/E | N/E | N/E | N/E |
| Vinyl acetate | 108-05-4 | N/E | 15 ppm | 15 mg/m ³ | N/E |
| Acetaldehyde | 75-07-0 | 200 ppm TWA | 25 ppm C | N/E | N/E |

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

| | |
|--|----------------------------|
| Appearance: | Liquid, Aqueous dispersion |
| Odor: | Slight |
| pH: | 4-6 |
| Melting Point (°F): | 32F |
| Boiling Point (°F): | >212F |
| Flash Point: | >200F |
| Evaporation Rate: | Not Applicable |
| Flammability: | Not flammable |
| Lower Explosive Limit: | N/E |
| Upper Explosive Limit: | N/E |
| Vapor Pressure (mm Hg): | N/E |
| Relative Density (kg/mm³): | 0.9-1.1 |
| Solubility in Water: | Insoluble but dispersible |
| Specific Gravity (H₂O=1): | 1.06 |
| Physical State: | Liquid |
| % Volatiles: | 50 |
| Viscosity | N/E |
| Auto ignition temperature | N/E |

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

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 | | | | | | |
| Vinyl acrylic copolymer emulsion | No | No | No | No | No | No |

Acute toxicity

No toxicity studies have been conducted on this product.

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. It is expected to be practically non-toxic to aquatic organisms on an acute basis.

Persistence and degradability: The product is estimated to be readily biodegradable according to OECD classification.

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 cannot 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

SARA 313 - Supplier Notification None

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

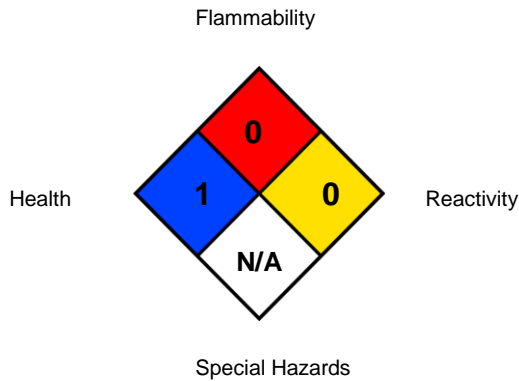
HMS Ratings

| | |
|----------------------------|----------|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | B |

Section 16 – Other Information

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

NFPA:



Prepared By: Research Department, U.S.A.
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