

**Section 1 – Chemical Product / Company Information**

**Product Name:** ISOLATEK® HEAT-SHIELD® ADHESIVE **Effective Date:** July 27, 2015

**Product Use/Class:** Adhesive for insulation

**Supplier:** USMPC Buyer Inc, dba Isolatek International  
41 Furnace Street  
Stanhope NJ 07874  
technical@isolatek.com  
Toll Free: 1 800 631 9600 **Preparer:** R&D Department

**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:**

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

**Precautionary Statements:**

<b>P202</b>	Do not handle until safety precautions have been read and understood.
<b>P261</b>	Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.

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<b>P264</b>	Wash thoroughly after handling.
<b>P271</b>	Use only outdoors or in a well ventilated area.
<b>P280</b>	Wear protective gloves/ protective clothing/ eye protection/ face protection.
<b>P284</b>	In case of inadequate ventilation, wear respiratory protection.
<b>P403</b>	Store in a well ventilated place.
<b>EUH401</b>	To avoid risks to human health and the environment, comply with the instructions for use.

### Response:

<b>P301+P330 P331+P312</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.
<b>P302+P352+ P332+P313+ P363</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
<b>P304+P340+ P342+P313</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/ attention.
<b>P305+P351+ P338+P337+ P313</b>	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:

<b>P402+P403+ P404+P410+ P411</b>	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.
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### Disposal:

<b>P501</b>	Dispose of contents/container in accordance with local/regional/national/international regulations (see section 13).
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## 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.

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### 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/m3	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

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<b>Melting Point (°F):</b>	32F
<b>Boiling Point (°F):</b>	>212F
<b>Flash Point:</b>	>200F
<b>Evaporation Rate:</b>	Not Applicable
<b>Flammability:</b>	Not flammable
<b>Lower Explosive Limit:</b>	N/E
<b>Upper Explosive Limit:</b>	N/E
<b>Vapor Pressure (mm Hg):</b>	N/E
<b>Relative Density (kg/mm3)</b>	0.9-1.1
<b>Solubility in Water:</b>	Insoluble but dispersible
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.06
<b>Physical State:</b>	Liquid
<b>% Volatiles:</b>	50
<b>Viscosity</b>	N/E
<b>Auto ignition temperature</b>	N/E

### Section 10 – Stability And Reactivity

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

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### 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

#### HMIS Ratings

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

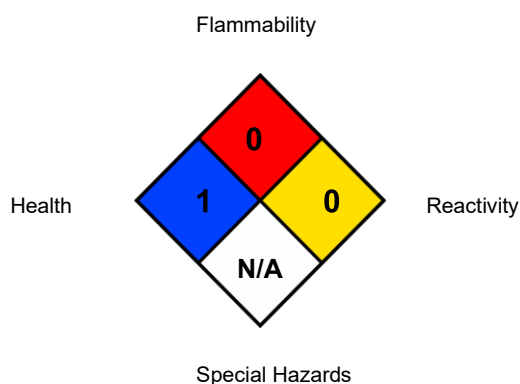
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### Section 16 – Other Information

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

#### NFPA:



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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.