
MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL

Product name: Heat Shrinkable Gloves (boots)
Part number: KEV2/1, KEV2/3, KEV230, KEV320, KEV330,
KEV335, KEV340, KEV360, KEV410, KEV420,
KEV430, KEV440, KEV445, KEV450, KEV455,
KEV460
Other names: KEV Heatshrink Gloves (boots)
Recommended use: Seal and waterproof cable terminations.

Section 2: HAZARD IDENTIFICATION

Hazard classification:

Non Hazardous

Risk phrases:

Overheating the product to charring or burning may produce vapours that may cause eye, skin, nose and throat irritation.

Contact with molten material may cause thermal burns

Safety phrase:

Not Available

Chronic Health Effects:

None of the ingredients to which users may be exposed and which are present at equal to or greater than 0.1% of the product, are listed by OSHA, NTP, or IARC as suspect carcinogens.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Base materials: Polyolefin. Heat-shrinkable products may be coated with or used in conjunction with adhesives/mastics which are based on olefin copolymers or polyamides.

Section 4: FIRST AID MEASURES

If Ingested:

Not a normal route of exposure. However, if swallowed and symptoms develop, seek medical attention.

Ingestion of this product is highly unlikely. There is insufficient information available on this material to predict the effects from ingestion.

Eye Contact:

If eye irritation occurs, flush with water for at least 15 minutes. Seek medical attention.

Contact with molten material may cause thermal burns.

Skin Contact:

If molten adhesive/mastic contacts skin, cool immediately in water. Do not attempt to remove material from the skin - treat as a burn and seek medical attention.

This product is not expected to be a skin irritant. Contact with the molten material may cause thermal burns. No harmful effects are expected from skin absorption of this product.

If inhaled:

If respiratory symptoms or other symptoms of exposure develop, move victim to fresh air. If symptoms persist, seek medical attention. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention. If victim is not breathing, immediately begin artificial respiration. Keep victim warm and quiet; seek immediate medical attention.

In common with most organic materials, thermal degradation and combustion by-products may be toxic and should not be inhaled. (See Comments below and the Thermal Degradation and Combustion by-products Section for more specific information.

Comments:

Overheating the product to charring or burning may produce vapours that may cause eye, skin, nose and throat irritation. Persons with pre-existing eye, skin, or respiratory disorders (e.g., asthma conditions) may be more susceptible to the effects of these vapours.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing media:

Carbon dioxide, dry chemical, chemical foam, or water fog. Using a direct, straight water stream may tend to spread a fire.

Hazards from Combustion Products:

Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

Precautions for fire fighters:

Avoid using direct straight water stream on molten material to reduce splattering and spreading of the fire.

Special protective equipment:

Not Available

Unusual Fire and Explosion Hazards:

None known

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Immediately collect released resin to prevent environmental contamination.

Methods and Materials for containment and clean up:

To prevent the danger of slips or falls, sweep or gather up material and place in proper container for disposal or recovery.

Section 7: HANDLING AND STORAGE

Precautions for safe handling:

Not Available

Conditions for safe storage, including any incompatibilities:

Heat resistant gloves are required if hot products are handled after installation.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure standards:

There are no established exposure limits for polymer mixtures.

Biological limit values:**Engineering controls:****Personal Protective Equipment:**

Respiratory Protection (Specify Type) –

Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Skin Protection –

At elevated temperatures prevent contact by wearing thermally protective gloves and a long sleeved shirt. Provide a cold water source for burn treatment.

Eye Protection –

Wear safety glasses to reduce the potential for eye contact; a face shield is appropriate if splashing is likely. Have eye washes available where eye contact can occur.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Plastic tubing and moulded parts in a variety of shapes.

| | |
|--|----------------|
| Odour: | No Odour |
| pH: | Not Available |
| Vapour Pressure: | Not Applicable |
| Vapour Density: | Not Applicable |
| Boiling point/range: | Not Applicable |
| Freezing/melting point: | Not Available |
| Solubility: | Not Applicable |
| Specific gravity (H₂O=1) or density: | Not Available |
| Flashpoint: | Not Applicable |
| Upper flammable (explosive) limits in air: | Not Applicable |
| Lower flammable (explosive) limits in air: | Not Applicable |
| Ignition temperature: | Not Available |
| Evaporation Rate (Butyl Acetate = 1): | Not Applicable |
| Volatile organic compounds (VOC) content: | Not Applicable |

Section 10: STABILITY AND REACTIVITY

| | |
|---|------------------------------|
| Chemical Stability: | Stable |
| Conditions to avoid: | Avoid overheating of product |
| Incompatible Materials: | |
| Hazardous decomposition products: | None known |
| Hazardous reactions: | |
| Hazardous Polymerisation will not occur. No known polymerisation conditions to avoid. | |

Section 11: TOXICOLOGICAL INFORMATION

Acute and Chronic health affects:

None of the ingredients to which users may be exposed and which are present at equal to or greater than 0.1% of the product, are listed by OSHA, NTP, or IARC as suspect carcinogens.

Possible routes of exposure:

Not Available

Range of affects following exposure:

Not Available

Dose, concentration or conditions of exposure likely to cause injury:

In common with most organic materials, thermal degradation and combustion by-products may be toxic and should not be inhaled

Delayed affects:

Not Available

Relevant negative data:

Not Available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Persistence and degradability: Not Available

Mobility: Not Available

Section 13: DISPOSAL CONSIDERATION

Disposal methods and containers:

All products are classified as non-hazardous waste and should be buried or incinerated at approved sites. If there are local regulations covering the controlled incineration of halogenated materials, then all flame-retarded products will be subject to such regulations. Refer to the product literature for identification of flame-retarded products.

Special precautions for landfill or incineration:

Not Available

Dispose of in accordance with all applicable local, state and federal regulations.

Section 14: TRANSPORT INFORMATION

Transportation: These products are non-hazardous under department because there are no applicable shipping regulations for these products, labels are not required on the outside shipping container for these products and all products may be shipped through the U.S postal services.

Domestic Highway

UN number: Not Available

UN Proper shipping name: Not Available

Class and subsidiary risk: Not Available

Packing group: Not Available

Special precaution for user: Not Available

Hazchem code: Not Available

Section 15: REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation:

Not Available

Section 16: OTHER INFORMATION

Date of Preparation/last Revision of the MSDS:

Preparation Date: 28 February 2008

Last Revision: 26 February 2014. Addition of part numbers to range.

New Zealand Emergency Telephone: 111

New Zealand National Poisons Centre Telephone: 0800 POISON (0800 764 766)

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and to develop work practice procedures for a safe work environment.

DISCLAIMER: The information contained herein, is to the best of our knowledge and belief; accurate. However, because the condition of handling and use are beyond our control, **we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all federal, state and local laws and regulations.**

MSDS-KEV-Heatshrink Gloves/Boots

RE-ISSUE DATE: February 2014