
MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL

Product name: Heat Shrinkable Medium/Heavy Wall Tubing
Part number: STDW17/3PA, STDW27/6PA, STDW43/10PA,
STDW54/14PA, STDW72/22PA, STDW ranges
Other names: Thick wall Heatshrink, Thick wall Glue Lined
Heatshrink
Recommended use: Waterproofing jointing and sealing cable, Cable joints,
Repairs and Terminations.

Section 2: HAZARD IDENTIFICATION

Hazard classification:

This material consists primarily of high molecular weight polymers which are not expected to be hazardous.

Risk phrases:

Eye Contact:R41-Risk of serious eye damage - Contact with molten material may cause thermal burns.

Skin Contact:R34-Causes burns - 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.

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

Inhalation (Breathing): R20-Harmful by inhalation - 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.)

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.

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 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	Common name	CAS number
	Ethylene-vinyl acetate copolymer	24937-78-8

Section 4: FIRST AID MEASURES

If Ingested:

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

If in eyes:

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

If on skin:

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.

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.

(Indication of medical attention and any special treatment needed (notes to physician should include description of most important symptoms, acute and delayed)

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:

Will not occur. No known polymerization conditions to avoid.

Precautions for fire fighters:

Toxic fumes may be given off in a fire. See also sections on Thermal Degradation and Combustion By-products and Other Precautions

Special protective equipment:

Fire fighters should wear self-contained breathing apparatus with a full face piece operated in the positive demand mode when fighting fires.

Unusual Fire and Explosion Hazards

None known.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Wear appropriate personal protection when responding then sweep up and collect in a suitable container for disposal or reuse.

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. Immediately collect released resin to prevent environmental contamination.

Section 7: HANDLING AND STORAGE

Precautions for safe handling:

Avoid any vapours given off if the product is heated to decomposition, as shown by a darkening and browning. Avoid contact with molten material. Heat-resistant gloves are required if hot products are handled after installation. Do not consume food, beverages or tobacco in the immediate work area. Wash hands before eating, drinking or smoking.

Conditions for safe storage, including any incompatibilities:

Strong oxidizers, peroxides, acids and reducing agents.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure standards:

There are no established exposure limits for polymer mixtures.

Biological limit values:**Engineering controls:**

Hot melts should be used with good ventilation. At the application temperature use of local exhaust over the preparation reservoir is encouraged.

Personal Protective Equipment:

Respiratory Protection (Specify Type) –

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

Protective Gloves –

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.

Other Protective Clothing or Equipment -

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:	See installation guide
Solubility:	Not applicable
Specific gravity (H₂O=1) or density:	
Flashpoint:	Not applicable
Upper flammable (explosive) limits in air:	Lower not applicable
Lower flammable (explosive) limits in air:	Not applicable
Ignition temperature:	Not applicable
Evaporation Rate (Butyl Acetate = 1):	Not applicable
Volatility:	Not applicable

Section 10: STABILITY AND REACTIVITY

Chemical Stability: This product is stable under normal conditions.

Conditions to avoid: Avoid overheating of product and open flame.

Incompatible Materials: Not established.

Hazardous decomposition products: Not established.

Hazardous reactions:

Hazardous Polymerization will not occur. No known polymerization conditions to avoid. In common with most organic materials, degradation and combustion by-products may be toxic and should not be inhaled. Thermal degradation is not significant at temperatures achieved during proper installation, as directed by product installation guides. At temperatures higher than those recommended for proper installation, most significantly if the product burns, the thermal degradation and combustion by-products may include, but are not limited to, carbon monoxide, carbon dioxide, organic acids, aldehydes and alcohols, oxides of nitrogen, sulphur, and silicon, acetic acid, tetrahydrofuran, acrolein, vinyl acetate, and aromatic and aliphatic hydrocarbons.

Section 11: TOXICOLOGICAL INFORMATION

Acute and Chronic health affects: No data available

Possible routes of exposure: No data available

Range of affects following exposure: No data available

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

No data available

Delayed affects: No data available

Relevant negative data: No data available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Mobility: No data available

Section 13: DISPOSAL CONSIDERATION

Disposal methods and containers: Not Available

Special precautions for landfill or incineration:

Not Available

Dispose in accordance with all local, state and federal regulation. If there are local regulations covering the controlled incineration of halogenated materials, then all halogen-containing products will be subject to such regulations.

Section 14: TRANSPORT INFORMATION

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

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.

Section 15: REGULATORY INFORMATION

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

No data available

Section 16: OTHER INFORMATION

Last Revision of the MSDS

12 July 2017

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. Users should make their own investigation to determine the suitability of the information for their particular purposes.

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