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**MATERIAL SAFETY DATA SHEET**

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**Section 1: IDENTIFICATION OF THE MATERIAL**

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**Product name:** Flame retardant heat shrinkable tubing  
**Part number:** Cabac XLP heatshrink range

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**Section 2: HAZARD IDENTIFICATION**

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**Inhalation:** Negligible  
**Eyes contact:** Mechanical irritation from the particulates generated by the product.  
**Skin contact:** Negligible  
**Ingestion:** Negligible

**Risk phrases:** Hazards due to contact with the product at high temperature.

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**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical Identity /Common Name	CAS Number
Ethylene-vinyl acetate copolymer	24937-78-8
Antimonytrioxide	1309-64-4
Magnesium Hydroxide	1309-42-8
Aluminium oxide	1344-86-4
Carbon Black	1333-86-4
Pentaerythritol tetrakis (3-(3,5-di-tert-butyl-4-hydrophenyl) proionate	6683-19-8
Zinc oxide	1314-13-2
1,1' -(Ethane-1,2-diyl)bis[pentabromobenzene	84852-53-9

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**Section 4: FIRST AID MEASURES**

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**If Ingested:** If the subject is completely conscious - Negligible  
If the subject is unconscious - Not applicable  
**If in eyes:** Flush eyes with running water for several minutes, while keeping the eyelids wide open.  
**If on skin:** Negligible for unheated product. In case of contact with molten polymer, cool rapidly with cold water without attempting to peel from the skin. Obtain medical treatment for burns.  
**If inhaled:** Negligible

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**Section 5: FIRE FIGHTING MEASURES**

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**Flammability:**

Flame retardant

**Auto-flammability:**

No data

**Danger of explosion:**

Negligible

**Oxidizing properties**

Non-oxidizer

**Extinguishing media/means:**

- In case of fire in close proximity, most means of extinguishing are acceptable.
- In a fire, the polymer is considered auto-extinguishing and so is unable to propagate fire.
- Strong energy source necessary for ignition.

**Hazards from Combustion Products:**

Formation of dangerous gas/vapors in case of combustion

**Protective measures in case of intervention:**

- Evacuate all nonessential personnel.
- Intervention only by capable personnel who are trained and aware of the hazards of the product.
- In all cases wear self-contained breathing apparatus.
- Wear chemically resistant over-suits.
- After intervention, proceed to clean the equipment (take a shower, remove clothing carefully, clean and check).

**Other precautions:**

- If safe to do so, remove the exposed containers.
- After the fire, proceed rapidly to clean the surfaces exposed to the fumes in order to limit the damage to the equipment.
- As for any fire, ventilate and clean the rooms before re-entry.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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**Precautions**

- Follow the protective measures given in section 8.
- Spilled material can be slipping hazard.

**Cleanup methods**

- Collect the product with suitable means avoiding dust formation.
- Place everything into a closed, labeled container compatible with the product.
- For disposal methods, refer to section 13.

**Precautions for protection of the environment**

- Prevent discharges into the environment (sewers, rivers, soils etc.)

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**Section 7: HANDLING AND STORAGE**

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**Handling**

- Prevent any product decomposition from contacting hot spots.
- Use electrically conductive materials for piping circuits and equipment.

**Storage**

- Keep away from heat sources.
- Keep away from combustible substances,

**Other precautions**

- Grounded equipment.
- Follow the protective measures given in Section 8.

- Prohibit smoking or smoking materials when handling this product.

**Packaging**

- Carton + Tubing

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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**National Exposure standards:****Biological limit values:****Engineering controls:**

- Follow the protective measures given in section 7.
- Provide local ventilation suitable for the product decomposition risk (see section 9).
- Maintain employee exposures to levels below the applicable exposure limits.

**Personal Protective Equipment:***Respiratory Protection (Specify Type)*

- In case of dust use NIOSH approved dust respirator.
- Self-contained breathing apparatus in medium confinement/insufficient oxygen/in case of large uncontrolled emissions.

*Protective Gloves*

- Protective gloves against molten polymer.
- Protective gloves, if risk of decomposition

*Eye Protection*

- Wear safety glasses/protective goggles.

*Skin protection*

- Only necessary to protect against molten polymer.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance and Odour:**

Odorless tubing

**pH:**

- Not applicable

**Vapour Pressure:**

N/A

**Vapour Density (air=1):**

- Not applicable

**Density**

- Bulk density
- From 1.3 to 1.35 g/cm<sup>3</sup>

**Boiling point/range:**

- Boiling point/range (1013 mbars): Not applicable

**Melting point:**

Melting point/range: from 80 to 100 °C

**Solubility:**

- Insoluble in: Water
- Slightly soluble in: Boiled xylene

**Flashpoint:**

Not Applicable

**Partition coefficient P (n-octanol/water)**

- Not applicable

**Decomposition temperature**

- > 250 °C

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**Section 10: STABILITY AND REACTIVITY**

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**Stability**

- Stable under certain conditions (see below).
- Decomposition produces dangerous gases upon contact with flames, or hot metallic surfaces.

**Conditions to avoid**

- Heating the product to its decomposition temperature (see section 9).
- Naked flames, sparks.

**Materials to avoid**

- Negligible

**Hazardous decomposition products**

- Particulates of carbon
- Carbon monoxide

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**Section 11: TOXICOLOGICAL INFORMATION**

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- No specific data
- Biologically inert and little toxicity in bulk form.

Note: Decomposition risk: When decomposed by high heat, or by smoking tobacco or cigarettes contaminated with polymer dust a flu-like illness with fevers and chills may result which will pass within 36-48 hours.

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**Section 12: ECOLOGICAL INFORMATION**

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- No specific data.
- Product is biologically inert and non-degradable

Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

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**Section 13: DISPOSAL CONSIDERATION**

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- It is recommended to contact the producer for recycling/recovery.
- Dispose of product at a landfill authorized for industrial waste.

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

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**Section 14: TRANSPORT INFORMATION**

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**Section 15: REGULATORY INFORMATION**

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

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**Section 16: OTHER INFORMATION**

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The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In the case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene and protection of human welfare and the environment.

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.**