

# MATERIAL SAFETY DATA SHEET

Finished Product



Date-Issued: 10/14/2004  
MSDS Ref. No: NTE 47-XXXX Series  
Date-Revised: 10/14/2004  
Revision No: New MSDS

## Dual Wall w/Adhesive Heat Shrink Tubing NTE 47-XXXX Series

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** NTE Dual Wall w/Adhesive heat Shrinkable Tubing  
**PRODUCT DESCRIPTION:** Dual Wall Polyolefin Heat Shrinkable Tubing  
**PRODUCT CODE:** NTE 47-XXXX Series

#### MARKETER

NTE Electronics, Inc.  
44 Farrand Street  
Bloomfield, NJ 07003

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**CANUTEC:** (613) 996-6666  
**Emergency Phone:** 1-800-631-1250 8:00 am – 5:00 pm EST

**Phone: 973-748-5089**

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### 2. HAZARDS IDENTIFICATION

Ingredients: The outer jacket is manufactured from cross-linked polyolefin. The inside adhesive layer is Ethylene-Vinyl Acetate based copolymer. The flame-retarded chemicals inside the tubing (outer jacket) do not contain toxic elements (i.e. Cadmium and Lead). However, if the tubing is overheated or burned, harmful vapors may be released. Under normal conditions of processing and handling, the product is stable and no likelihood of exposure exists.

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### 3. PHYSICAL AND CHEMICAL DATA

**NORMAL CONDITION** – Solid State

**BOILING POINT** – Not applicable

**MELTING POINT** – Base polymer 90°C, Tubing will not melt at 90°C due to its cross linked property.

**SPECIFIC GRAVITY** – 1.35-1.40

**VAPOR DENSITY (AIR = 1)** – Not applicable

**EVAPORATION RATE (BUTYL ACETATE = 1)** – Not applicable

**SOLUBILITY IN WATER** – Negligible

**APPEARANCE & ODOR** – All in tubing form. Light vinegar odor.

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#### 4. FIRE FIGHTING MEASURES

**FLASH POINT:** >300°C

**FLAMMABLE LIMITS IN AIR:** Not applicable

**FLAMMABILITY:** The outer jacket is self-extinguishing. The adhesive layer is non-flame retarded.

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#### 5. REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid overheating and burning

**INCOMPATIBILITY:** Organic solvents

**HAZARDOUS DECOMPOSITION PRODUCTS:** None in normal operation

**HAZARDOUS POLYMERIZATION:** Will not occur

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#### 6. HEALTH HAZARD INFORMATION

**INHALATION:** No hazard under normal operating condition

**INGESTION:** Non digestible

**SKIN:** May cause thermal burns when heated. Adhesive may flow out when heated

**EYES:** Not applicable

**UNUSUAL CHRONIC TOXICITY:** No known associated with the industrial use of this product

**SIGNS AND SYMPTOMS OF EXPOSURE:** Not applicable

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#### 7. FIRST AID MEASURES

**THERMAL BURNS:** Cool rapidly with fresh water. Consult a physician

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#### 8. PRECAUTIONS AND SAFE HANDLING PROCEDURES

**SPILL OR LEAK:** Collect in container

**STORAGE:** Store in dry place, avoid excessive heat

**WASTE DISPOSAL:** Local disposal regulation (Not recyclable)

**OTHER PRECAUTIONS:** None

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## **9. CONTROL MEASURES**

**VENTILATION:** General ventilation is adequate under normal manufacturing environment

**PROTECTIVE GLOVES:** Necessary when handling the heated tubing

**PROTECTIVE CLOTHING:** Not necessary under operating condition

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