

SAFETY DATA SHEET

Finished Product



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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Brand Name	NTE Dual Wall w/Adhesive Heat Shrinkable Tubing
Product Description:	Dual Wall Polyolefin Heat Shrinkable Tubing
Product Code	NTE 47-XXXX Series
Marketer Contact Information:	NTE Electronics, Inc. 44 Farrand Street Bloomfield, NJ 07003 (973) 748-5089
Emergency Phone:	1-800-631-1250 8:00 am – 5:00 pm EST

SECTION 2. HAZARDS IDENTIFICATION

Inhalation	In common with most organic materials, thermal degradation and combustion of byproducts may be toxic and should not be inhaled.
Ingestion	Non-digestible. There is insufficient data available to predict the effects from ingestion of the tubing material.
Skin	May irritate skin. May cause thermal burns if contact with molten material.
Eyes	May cause thermal burns if contact with molten material.
Chronic (Long-Term Exposure)	None of the ingredients to which the users may be exposed to and which are present at equal to or greater than 0.1% of the product, are listed by OSHA as suspected carcinogens.
Signs & Symptoms of Exposure	Overheating of the tubing to charring or burning may evolve fumes irritating eyes, nose and throat. Persons with pre-existing eye, skin or respiratory disorders may be more susceptible to the effects of these fumes.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

Basic Ingredients

Backing

CAS #	Name
24937-78-8	Ethylene-vinyl acetate copolymer
1309-65-4	Antimontrioxide
1309-42-8	Magnesium Hydroxide
1333-86-4	Carbon Black
6683-19-8	Pentaerythritol tetrakis (3-(3,5-di-terr-butyl-4-hydroxyphenyl) propionate)
1314-13-2	Zinc oxide

Adhesive

CAS #	Name
69430-35-9	Hydrocarbon, C6-20 polymers
9002-88-4	Polyethylene
6683-19-8	Pentaerythritol tetrakis (3-(3,5-di-terr-butyl-4-hydroxyphenyl) propionate)

SECTION 4. FIRST AID MEASURES

Thermal burns	Cool rapidly with fresh water. Consult physician
Eyes	If eye irritation occurs, flush with water for 15 minutes. Call a physician immediately.
Inhalation	If exposed to fumes from burned material, the victim should be moved to open area with fresh air. Call a physician if breathing problems persist.
Ingestion	Not a probable route of exposure. However, if accidentally swallowed, call a physician.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	>300°C
Flammable limits in air	Not applicable
Flammability	This material is flame retarded (except clear)
Suitable Extinguishing Media	Water, Foam, Dry chemical, Carbon dioxide

SECTION 6. ACCIDENTAL RELEASE MEASURES

Collect the material and place them in a container either to be recovered or to be disposed in accordance to local and regional waste disposal regulation.

SECTION 7. HANDLING AND STORAGE

Precautions: Stop heating the tubing melt if chars or if it shows other signs of degradation. Wash hands before contact with food.

Storage: Store in a cool dry area. Keep out of direct sunlight.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	Not applicable and available
Engineering Controls	Carry operations in the open air or with good ventilation control.
Environmental Exposure Controls	Please refer to section 13.
Personal Protection	Goggles are recommended if gas torches are used to shrink the tube. Heat resistant gloves should be used when handling heated tubing. Normal clothing should be used sufficient for skin protection. Self contained breathing apparatus should be used if shrinking is performed in confined area without air ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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
Solubility in Water	<0.001%
Appearance & Odor	All in tubing form. Odorless

SECTION 10. STABILITY AND REACTIVITY DATA

Stability	Stable under normal conditions
Conditions to Avoid	Avoid overheating and burning of the tubing
Incompatibility	Organic solvents
Hazardous Decomposition Products	None in normal operation
Hazardous Polymerization	Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of Entry: Ingestion, Inhalation

Chronic Effects on Humans: Ingestion of tubing is highly unlikely. There is insufficient information available on the effects from ingestion of this material. The tubing does not contain hazardous substances; however thermal degradation and combustion of byproducts may be toxic and should not to inhaled.

Toxicity to Animals: Not Available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Biodegradable: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

The tubings 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 the tubing will be subjected to such regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material

Identification: Not Applicable

Special Provisions for Transport: Not Applicable

Environmentally Hazardous Substance Mark: Not Applicable

SECTION 15. REGULATORY INFORMATION

No data available

SECTION 16. OTHER INFORMATION

This information above is believed to be accurate and represents the best information currently available to us. However, neither NTE nor any of its subsidiaries make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.