

SAFETY DATA SHEET
Finished Product



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Polydimethylsiloxane Sealant
NTE434

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Brand Name	NTE434
Product Description:	Polydimethylsiloxane Sealant
Product Code	NTE434
Marketer Contact Information:	NTE Electronics, Inc. 44 Farrand Street Bloomfield, NJ 07003 973-748-5089
Emergency Phone:	CHEMTREC 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture	Not classified
Ingredients of Unknown Toxicity	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.4%

GHS Label Elements

Signal Word	No signal word
Hazard Statements	No known significant effects or critical hazards

Precautionary Statements

General	Not applicable
Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Other hazards which do not result in classification	Uncured product is irritating to eyes, skin, and respiratory system. Generates methanol during cure.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

Substance/Mixture	Mixture
Chemical Name	Not available

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST-AID MEASURES

Description of Necessary First Aid Measures

Ingestion:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
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SECTION 4. FIRST-AID MEASURES (Cont'd)

Description of Necessary First Aid Measures (Cont'd)

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin Contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Notes to Physician	In case of inhalation of decomposition products in fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific Treatments	No specific treatment.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:	Use dry chemical, CO ₂ , alcohol-resistant foam or water spray (fog).
Unsuitable Extinguishing Media:	Water jet.
Specific Hazards Arising from the Chemical:	No specific fire or explosion hazard..
Hazardous Thermal Decomposition Products	Decomposition products may include the following materials: Carbon Dioxide Carbon Monoxide Nitrogen Oxides Metal Oxide/Oxides Measurements at temperatures above +150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
Special Protective Actions for Firefighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer, or drain.
Special Protective Equipment or Firefighters	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel	No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
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SECTION 6. ACCIDENTAL RELEASE MEASURES (Cont'd)

Personal Precautions, Protective Equipment and Emergency Procedures (Cont'd)

For Emergency Responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-Emergency Personnel".
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and Materials for Containment and Cleaning Up

Small Spill	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via licensed waste disposal contractor. Note: See Section 1 of SDS for emergency contact information and Section 13 of SDS for waste disposal.
Large Spill	Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: See Section 1 of SDS for emergency contact information and Section 13 of SDS for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Protective Measures	Put on appropriate personal protective equipment (See Section 8 of SDS).
Advice on General Occupational Hygiene	Eating, drinking, and smoking should be prohibited in area where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for Safe Storage, Including any Incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (See Section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational Exposure Limits

None

Appropriate Engineering Controls	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont'd)

CONTROL PARAMETERS (Cont'd)

Environmental Exposure Controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to process equipment will be necessary to reduce emissions to acceptable levels.
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Individual Protection Measures

Hygiene Measures	Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts.

Skin Protection

Hand Protection	Chemical-resistant, impervious gloves, complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection

Respiratory Protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (See 29CFR 1910.134). Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Paste
Color	White
Odor	Alcohol-like
Odor Threshold	Not Available.
pH	Not Available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (Cont'd)**Appearance (Cont'd)**

Melting Point	Not Available.
Boiling Point	Not Available.
Flash Point	> +94°C (+201.2°F) (Estimated). Product does not flash below +93.3°C (+200°F) during test; no actual flash point > +93.3°C was determined.
Burning Time	Not Available.
Burning Rate	Not Available.
Evaporation Rate	Not Available
Flammability (Solid, Gas)	Not Available
Lower and Upper Explosive (Flammable) Limits	Lower: Not Available Upper: Not Available
Vapor Pressure	Not Available.
Vapor Density	Not Available.
Relative Density:	1.085
Density	1.085g/cm ³
Solubility	Insoluble
Solubility in Water	Insoluble
Partition Coefficient: n-octanol/water	Not Available.
Auto-Ignition Temperature	+450°C (842°F)
Decomposition Temperature	Not Available.
SADT	Not Available.
Viscosity	Dynamic: Not Available Kinematic: > 20.5mm ² /s @ +40°C (+104°F)
Volatile Organic Content	44g/l 4% (w/w)

Other Information

No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical Stability	This product is stable.
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	No specific data.
Incompatible Materials	No specific data.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION
INFORMATION ON TOXICOLOGICAL EFFECTS****Acute Toxicity**

Conclusion/Summary	Not Determined.
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Irritation/Corrosion

Conclusion/Summary	Skin: Not Determined Eyes: Not Determined Respiratory: Not Determined
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Sensitization

Conclusion/Summary	Skin: Not Determined Respiratory: Not Determined
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Mutagenicity

Conclusion/Summary	No Determined
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SECTION 11. TOXICOLOGICAL INFORMATION (Cont'd)
INFORMATION ON TOXICOLOGICAL EFFECTS (Cont'd)

Carcinogenicity

Conclusion/Summary	Not Determined
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Reproductive Toxicity

Conclusion/Summary	Not Determined
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Teratogenicity

Conclusion/Summary	Not Determined
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Specific Target Organ Toxicity (Single Exposure)

Not Available

Specific Target Organ Toxicity (Repeated Exposure)

Not Available

Aspiration Hazard

Not Available

Information on the Likely Routes of Exposure	Not available
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Potential Acute Health Effects

Eye Contact	No known significant effects or critical hazards.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin Contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Eye Contact	No specific data.
Inhalation	No specific data.
Skin Contact	No specific data.
Ingestion	No specific data.

Delayed and immediate Effects and also Chronic Effects from Short and Long Term Exposure

Short Term Exposure

Potential Immediate Effects	Not Available
Potential Delayed Effects	Not Available

Long Term Exposure

Potential Immediate Effects	Not Available
Potential Delayed Effects	Not Available

Potential Chronic Health Effects

Conclusion/Summary	Not Determined
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General	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards
Mutagenicity	No known significant effects or critical hazards
Teratogenicity	No known significant effects or critical hazards
Developmental Effects	No known significant effects or critical hazards
Fertility Effects	No known significant effects or critical hazards

Numerical Measures of Toxicity

Acute Toxicity Estimates

Route	ATE Value
Oral	227,438.8mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Conclusion/Summary	Not Available
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Persistence/Degradability

Conclusion/Summary	Not Available
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Mobility in Soil

Soil/Water Partition Coefficient (KOC)	Not Available
Other Adverse Effects	No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any other by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Disposal of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration of landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. See Section 8 for information on appropriate personal protective equipment.
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SECTION 14. TRANSPORT INFORMATION

Special Precautions for User	This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.
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SECTION 15. REGULATORY INFORMATION

United States

U.S. Federal Regulations

United States – TSCA 12(b) – Chemical Export Notification	None Required
United States – TSCA 5(a)2 – Final Significant New Use Rules	Not Listed
United States – TSCA 5(a)2 – Proposed Significant New Use Rules	Not Listed
United States – TSCA 5(e) – Substance Consent Order	Not Listed

SARA 311/312

Classification	Not Applicable
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California Prop. 65

Classification	None Required
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Canada

WHMIS (Canada)	Not controlled under WHMIS (Canada).
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International Regulations

International Lists

Australia Inventory (AICS)	All components are listed and exempted.
Taiwan Inventory (CSNN)	All components are listed and exempted.
Canada Inventory	All components are listed and exempted.
Japan Inventory	All components are listed and exempted.

SECTION 15. REGULATORY INFORMATION (Cont'd)**International Regulations (Cont'd)****International Lists**

China Inventory (IECSC)	All components are listed and exempted.
Korea Inventory	All components are listed and exempted.
New Zealand Inventory (NZIoC)	All components are listed and exempted.
Philippines Inventory (PICCS)	All components are listed and exempted.
United States Inventory (TSCA 8b)	All components are listed and exempted.

SECTION 16. OTHER INFORMATION**Hazardous Material Information System III (U.S.A.)**

Health	1
Flammability	1
Physical Hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the national Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

Further 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.