



**NTE 434**

FORMAT: USA

MATERIAL SAFETY DATA SHEET

PRODUCT: NTE434

POLYDIMETHYLSILOXANE SEALANT

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MANUFACTURED BY:**

GE SILICONES  
260 HUDSON RIVER ROAD  
WATERFORD, NY 12188

**SUPPLIED BY:**

NTE ELECTRONICS, INC.  
44 FARRAND STREET  
BLOOMFIELD, NJ 07003

EMERGENCY PHONE (24 HRS)  
(518) 237-3330

CHEMTREC EMERGENCY (24 HRS)  
1-800-424-9300

**CHEMICAL FAMILY/USE:** SILICONE RUBBER  
**FORMULA:** MIXTURE

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

PRODUCT COMPOSITION/			APPROX.	ACGIH	TLV	OSHA	PEL	
CAS	REG	NO.	WGT. %		TWA	STEL	TWA	STEL UNITS
<b>A. HAZARDOUS</b>								
METHYLTRIMETHOXYSILANE								
1185-55-3		1-5	200 (R)	NE	200 (R)	NE	PPM	
1,3,5, -TRIS (TRIMETHOXYSILYL) -								
-ISOCYANURATE								
26115-70-8		1-5	NF	NE	NF	NE	NA	
<b>B. NON-HAZARDOUS</b>								
DIMETHYLPOLYSILOXANES								
63148-62-9		5-10	NA	NE	NA	NE	NA	
D4 & HMDZ TREATED SILICON DIOXIDE								
68937-51-9		10-30	10	NE	15	NE	MG/M3	
DIMETHYL POLYSILOXANE SILANOL/ST								
70131-67-8		60-80	NA	NE	NA	NE	NA	

See Section 15 for description of any WHMIS Trade Secret (s)

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

This section not in use

**POTENTIAL HEALTH EFFECTS:**

**INGESTION:**

May be harmful if swallowed.

**SKIN CONTACT:**

Uncured product contact will irritate lips, gums and tongue.

May cause mild skin irritation.

**INHALATION:**

Causes mild respiratory irritation.

Applies only in uncured state.

**EYE CONTACT:**

Uncured product contact irritates eyes.

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**MEDICAL CONDITIONS AGGRAVATED:**

None known.

**SUBCHRONIC (TARGET ORGAN) EFFECTS:**

None known.

**CHRONIC EFFECTS/CARCINOGENICITY:**

This product or one of its ingredients present .01% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

**PRODUCTS/INGREDIENTS:**

This space reserved for special use.

**PRINCIPLE ROUTES OF EXPOSURE:**

Eyes.

**OTHER:**

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees Fahrenheit (150' C) and above, in atmosphere which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. Product releases methanol (1-3% by weight) during cure process.

**4. FIRST AID MEASURES**

**INGESTION:**

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**SKIN:**

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

**INHALATION:**

Move person to fresh air.

**EYES:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN:**

None known.

**5. FIRE FIGHTING MEASURES**

<b>FLASH POINT:</b>	NA	(C)	NA	(F)
<b>METHOD:</b>	NA			
<b>IGNITION TEMP:</b>	NA	(C)	NA	(F)
<b>FLAMMABLE LIMITS IN AIR - LOWER (%):</b>	NA			
<b>FLAMMABLE LIMITS IN AIR - UPPER (%):</b>	NA			
<b>SENSITIVITY TO MECHANICAL IMPACT (Y/N):</b>	NO			
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is not expected.			
<b>EXTINGUISHED MEDIA:</b>	All standard fire fighting media			
<b>SPECIAL FIREFIGHTING PROCEDURES:</b>	None known.			

**6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Wipe, scrape or soak up in an inert material and put in a container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

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Wear proper protective equipment as specified in the protective equipment section.

## 7. HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes.  
Use only in a well ventilated area.  
Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation. Product releases methanol during application and curing. (methanol TLV = 200 ppm)  
Uncured product contact irritates eyes.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Eyewash stations.  
Use in a well ventilated area.

### RESPIRATORY PROTECTION:

Use in a well ventilated area.

### PROTECTIVE GLOVES:

Cloth gloves.

### EYE AND FACE PROTECTION:

Safety glasses.

### OTHER PROTECTIVE EQUIPMENT:

None known.

### VENTILATION:

Use only in well ventilated area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### PRODUCT INFORMATION:

BOILING POINT:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG):	NEG		
VAPOR DENSITY (AIR=1)	NEG		
FREEZING POINT:	NA	(C) NA	(F)
MELTING POINT:	NA	(C) NA	(F)
PHYSICAL STATE:	SOLID		
ODOR:	SWEET		
COLOR:	WHITE		
ODOR THRESHOLD (PPM):	UNK		
% VOLATILE BY VOLUME:	<4		
EVAP. RATE (BUTYL ACETATE=1):	<1		
SPECIFIC GRAVITY (WATER=1):	1.085		
DENSITY (KG/M3):	1085		
ACID/ALKALINITY (MEQ/G):	UNK		
PH:	NA		
VOC EXCL.H2O & EXEMPTS (G-L):	<44		
SOLUBILITY IN WATER (20 C):	INSOLUBLE		
SOLUBILITY ON ORGANIC SOLVENT (STATE SOLVENT):	TOLUENE		

## 10. STABILITY AND REACTIVITY

**STABILITY:** STABLE

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**HAZARDOUS POLYMERIZATION:**

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:**

Carbon monoxide.  
Carbon dioxide.  
Silicon dioxide.  
Methanol.  
Formaldehyde.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None known.

**CONDITIONS TO AVOID:**

None known.

## 11. TOXICOLOGICAL INFORMATION

**METHYLTRIMETHOXYSILANE**

**ACUTE ORAL LD50 (MG/KG):** 12,500 (RAT)  
**ACUTE DERMAL LD50 (MG/KG):** >10,000 (RBT)  
**ACUTE INHALATION LC50 (MG/L):** UNKNOWN

**OTHER:**

None

**AMES TEST:**

**1,3,5- TRIS (TRIMETHOXYSILYL)PROPYL -**

**ACUTE ORAL LD50 (MG/KG):** UNKNOWN  
**ACUTE DERMAL LD0 (MG/KG):** UNKNOWN  
**ACUTE INHALATION LC50 (MG/L):** UNKNOWN

**OTHER:**

None

**AMES TEST:**

**DIMETHYLPOLYSILOXANES**

**ACUTE ORAL LD50 (MG/KG):** >40,000  
**ACUTE DERMAL LD50 (MG/KG):** NONE FOUND  
**ACUTE INHALATION LC50 (MG/L):** >535 MG/L (RAT)

**OTHER:**

Non-irritating to skin (rbt).

**AMEA TEST:**

**D4 & HMDZ TREATED SILICON DIOXIDE**

**ACUTE ORAL LD50 (MG/KG):** 3160 (RAT) (EST)  
**ACUTE DERMAL LD50 (MG/KG):** UNKNOWN  
**ACUTE INHALATION LC50 (MG/L):** UNKNOWN

**OTHER:**

NONE.

**AMES TEST:**

**DIMETHYL POLYSILOXANE SILANOL/ST**

**ACUTE ORAL LD50 (MG/KG):** RAT >40,000  
**ACUTE DERMAL LD50 (MG/KG):** UNKNOWN  
**ACUTE INHALATION LC50 (MG/L):** RAT >535 MG/L (4HR)

**OTHER:**

Non-irritating to skin (rbt).

AMES TEST:

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time  
CHEMICAL FATE INFORMATION: No data at this time

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:**

Disposal should be made in accordance with federal, state and local regulations.  
Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NONE  
DOT HAZARD CLASS: NOT DOT REGULATED  
DOT LABEL (S): NONE  
UN/NA NUMBER: NONE  
PLACARDS: NONE  
IATA:  
NOT REGULATED BY IATA  
IMO IMDG-code: NONE  
EMS No: NA  
EUROPEAN CLASS:  
RID (OCTI): NONE  
ADR (ECE): NONE  
RAR (IATA): NONE

## 15. REGULATORY INFORMATION

SARA SECTION 302:  
None found  
SARA (311,312) HAZARD CLASS:  
ACUTE HEALTH HAZARD  
SARA (313) CHEMICALS:  
NONE  
CPSC CLASSIFICATION: NA  
WHMIS HAZARD CLASS:  
D2B TOXIC MATERIALS  
WHMIS TRADE SERET:  
NONE  
EXPORT:  
SCHDLE B/HTSUS: 3214.10 Mastic Based on Rubber  
ECCN: EAR99  
HAZARD RATING SYSTEMS  
HMIS FLAMMABILITY 0, REACTIVITY 0, HEALTH 2  
NFPA FLAMMABILITY 0, REACTIVITY 0, HEALTH 2  
CALIFORNIA PROPOSITION 65:  
NONE

## 16. OTHER INFORMATION

This product or its components are on the European inventory of Existing commercial chemicals (EINECS).....

.....  
These dates are offered on good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.  
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This product or its components are on the Australian inventory (ACOIN).....

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C = ceiling limit                    NEGL = negligible  
EST = estimated                    NF = none found  
NA = not applicable                UNKN = unknown  
NE = none established              REC = recommended  
ND = none determined              V = recomm. By vendor  
By-product = reaction by- SKN = skin  
product, TSCA inventory        TS = trade secret  
status not required under R = recommended  
40 CFR part 720.30 (h-2)        MST = mist  
STEL = short term exposure NT = not listed  
limit  
.....

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\*\*\* END OF MSDS \*\*\*