



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
A. HAZARDOUS									
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. NON-HAZARDOUS									
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

FLASH POINT:	NA	(C)	NA	(F)
METHOD:	NA			
IGNITION TEMP:	NA		(C)	NA (F)
FLAMMABLE LIMITS IN AIR - LOWER (%):	NA			
FLAMMABLE LIMITS IN AIR - UPPER (%):	NA			
SENSITIVITY TO MECHANICAL IMPACT (Y/N):	NO			
SENSITIVITY TO STATIC DISCHARGE:				
	Sensitivity to static discharge is not expected.			
EXTINGUISHED MEDIA:				
	All standard fire fighting media			
SPECIAL FIREFIGHTING PROCEDURES:				
	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).....

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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
.....

DATE PRINTED: 01/24/03

*** END OF MSDS ***