

### Nanotek Siloxane Polyalkyleneoxide Copolymer

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufactured By:** Solutions Pest & Lawn  
2739 Pasadena Blvd.  
Pasadena, TX. 77502

**Revised:** 9/6/2023  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND  
**CHEMTREC** STANDARDS 1-800-424-9300

**Chemical Family/Use:** Siloxane Polyalkyleneoxide Copolymer  
**Formula:** Siloxane Polyalkyleneoxide Copolymer

#### HMIS

Flammability: 1      Reactivity: 0      Health: 0

#### NFPA

Flammability: 1      Reactivity: 0      Health: 0

#### 2. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

Form: Liquid

Color: Clear, straw

Odor: Mild

##### POTENTIAL HEALTH EFFECTS

##### INGESTION

No evidence of harmful effects from available information.

##### SKIN

May cause minor irritation. May cause the following effects: - itching - slight local redness

##### INHALATION

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

##### EYES

May cause mild discomfort. May cause the following effects: - excess redness of the conjunctivae

##### MEDICAL CONDITIONS AGGRAVATED

Skin contact may aggravate: - an existing dermatitis

##### SUBCHRONIC (TARGET ORGAN )

None known.

##### CHRONIC EFFECTS / CARCINOGENICITY

For additional information, please see Section 11, Toxicological Information.

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#### ROUTES OF EXPOSURE

No anticipated routes of exposure.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS REG NO.	WGT. %
<b>A. HAZARDOUS</b>		
<b>B. NON-HAZARDOUS</b>		
Siloxane Polyalkyleneoxide	161755-53-9	60 - 90 %
Copolymer		
Polyalkylene Oxide	9042-19-7	10 - 30 %

### 4. FIRST AID MEASURES

#### INGESTION

Do NOT induce vomiting. If victim is conscious, give 2-4 glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

#### SKIN

Wash off with soap and water. Get medical attention if symptoms occur.

#### INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

#### 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

Treatment is symptomatic and supportive.

### 5. FIRE-FIGHTING MEASURES

FLASH POINT:	113 °C; 235 °F
METHOD:	Pensky-Martens closed cup ASTM D 93
FLAMMABLE LIMITS IN AIR - LOWER (%):	Not available
FLAMMABLE LIMITS IN AIR - UPPER (%):	Not available

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**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA**

All standard extinguishing agents are suitable.

**SPECIAL FIRE FIGHTING PROCEDURES**

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## 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. 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. Keep away from children. Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

**STORAGE**

Keep container closed. Store in original container.

**FURTHER INFORMATION ON STORAGE CONDITIONS**

No data available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS**

Eyewash stations; Showers; Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

**RESPIRATORY PROTECTION**

May be needed if product is used in a confined or poorly ventilated area. If exposure limits are

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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).

#### PROTECTIVE GLOVES

Impermeable or chemical resistant gloves.

#### EYE AND FACE PROTECTION

Safety glasses

#### OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

#### Exposure Guidelines

Component	CAS RN	Source	Value
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F:	> 150 °C; > 302 °F
VAPOR PRESSURE (20 C) (MM HG):	< 1
VAPOR DENSITY (AIR=1):	> 1
FREEZING POINT:	< -20 °C; < -4 °F
MELTING POINT:	< -20 °C; < -4 °F
PHYSICAL STATE:	Liquid
ODOR:	Mild
COLOR:	Clear, straw
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
DENSITY:	0.9887 g/cm3
VOLATILE ORGANIC CONTENT (VOL):	Not determined
SOLUBILITY IN WATER (20 C):	Insoluble
VOC EXCL. H2O & EXEMPTS (G/L):	40.60

## 10. STABILITY AND REACTIVITY

#### STABILITY

Stable.

#### HAZARDOUS POLYMERIZATION

Will not occur.

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#### HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Burning can produce the following combustion products;; Oxides of carbon.; Oxides of silicon.; Formaldehyde.; Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.; Acute overexposure to the products of combustion may result in irritation of the respiratory tract.; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momenite.

#### INCOMPATIBILITY (MATERIALS TO AVOID)

None currently known.

#### CONDITIONS TO AVOID

None known.

## 11. TOXICOLOGICAL INFORMATION

#### ACUTE ORAL

LD50; Species: Rat.; > 2,000 mg/kg; Remarks: Very low order of toxicity

#### ACUTE DERMAL

LD50; Species: Rat.; > 2,000 mg/kg; Remarks: Very low order of toxicity

#### SENSITIZATION

Test Type: Human patch test; Result: Negative

#### SKIN IRRITATION

Species: Rabbit.; Result: Slight irritation

#### EYE IRRITATION

Species: Rabbit. ; Result: Mild irritation

#### OTHER EFFECTS OF OVEREXPOSURE

Vapor generated at high temperatures may cause; - eye irritation, - respiratory tract irritation, - dizziness, - nausea, - inhalation of harmful amounts of material

## 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGY

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

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#### 13. DISPOSAL CONSIDERATIONS

##### DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations.

#### 14. TRANSPORT INFORMATION

##### Further Information:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

#### 15. REGULATORY INFORMATION

##### Inventories

Korea Existing Chemicals Inventory (KECI)	y (Positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (Positive listing)
EU list of existing chemical substances	y (Positive listing)
Australia Inventory of Chemical Substances (AICS)	n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	q (quantity restricted)
TSCA list	y (Positive listing)
Canada DSL Inventory	n (Negative listing)
China Inventory of Existing Chemical Substances	y (Positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

##### US Regulatory Information

##### SARA (311,312) HAZARD CLASS

No SARA Hazards

##### SARA (313) CHEMICALS

##### CALIFORNIA PROPOSITION 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

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#### Canadian Regulatory Information

#### 16. OTHER INFORMATION

##### OTHER

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