

# SAFETY DATA SHEET

## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Tris(tert-pentoxy)silanol**

FORMULA: C<sub>15</sub>H<sub>34</sub>O<sub>4</sub>Si

CAS NO: 17906-35-3

SYNONYMS: TPOSOL

Intended Use: For R&D use only.

### MANUFACTURER:

WONIK MATERIALS NORTH AMERICA LLC  
N115 W19392 EDISON DRIVE  
GERMANTOWN, WI 53022, USA

PHONE: +1-262-293-0251

FAX: +1-262-253-1258

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC 1-800-424-9300

CHEM-TREC INTERNATIONAL: +1-703-741-5500

FOR TECHNICAL INFORMATION CONTACT: +1-262-293-0251

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Chronic aquatic toxicity (Category 4)

### Hazard Statements

H413	May cause long lasting harmful effects to aquatic life.
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### Precautionary Phrases

P273	Avoid release to the environment
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P501	Dispose of contents/ container to an approved waste disposal plant
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### NFPA Rating:

Health: 0

Flammability: 1

Reactivity: 0

### HMIS Rating:

Health: 1

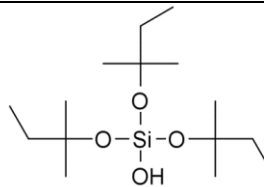
Fire: 1

Reactivity: 0

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $C_{15}H_{34}O_4Si$

Molecular Weight: 306.51 g/mol



CHEMICAL NAME	CAS#	%
Tris(tert-pentoxy)silanol	17906-35-3	<= 100 %

### SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Flush eyes with water as a precaution.

**SKIN EXPOSURE:** Wash off immediately with plenty of soap and water.

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek medical attention.

**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

### SECTION 5 FIREFIGHTING MEASURES

#### EXTINGUISHING MEDIA:

Suitable Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable N/A

#### HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:

Carbon oxides, silicon oxides, tert-pentanol, and organic acid vapors

#### ADVICE FOR FIRE FIGHTERS

Wear self contained breathing apparatus for fire fighting if necessary. Avoid contact with eyes and skin. Do not breathe fumes or inhale vapors.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear suitable protective clothing, gloves, eye, and face protection. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas.

#### ENVIRONMENTAL PRECAUTIONS

Do not allow material to enter drains or allow to be released into the environment.

#### METHODS AND MATERIALS

Avoid raising dust. Sweep up and place in a suitable, closed container for proper disposal.

### SECTION 7 HANDLING AND STORAGE

#### PERSONAL PRECAUTIONS

Wear approved personal protective equipment. Ensure adequate ventilation. Normal measures for fire protection.

#### CONDITIONS FOR SAFE STORAGE

Keep container tightly closed and store in a dry and well-ventilated area.

Material decomposes slowly in contact with moist air or with water liberating : t- pentanol. Avoid contact with oxidizing agents.

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Contains no substances with occupational exposure limits.

#### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Use respirators and components tested and approved under appropriate government shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination or type ABEK respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

**EYE/FACE PROTECTION:** Chemical safety goggles.

**SKIN PROTECTION:** Compatible chemical-resistant gloves.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Colorless liquid

**FORMULA MASS:** 306.51 g/mol

**ODOR:** No data available

**ODOR THRESHOLD:** No data available

**pH:** No data available

**MELTING POINT/ FREEZING POINT:** No data available

**BOILING POINT:** 96 - 99 °C (205 - 210 °F) at 3 - 4 hPa (2 - 3 mmHg) - lit.

**FLASH POINT:** 106 °C (223 °F) - closed cup

**EVAPORATION RATE:** No data available

**UPPER/LOWER FLAMMABILITY/EXPLOSION LIMITS:** No data available

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available

**Density:** 0.944 g/cm<sup>3</sup> at 25 °C (77 °F)

**SOLUBILITY IN WATER:** No data available

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No data available

**AUTO-IGNITION TEMPERATURE:** No data available

**DECOMPOSITION:** No data available

**VISCOSITY:** No data available

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Moisture. Material decomposes slowly in contact with moist air or with water liberating tert-pentanol.

**INCOMPATIBILITY:** Strong oxidizing agents, strong acids, and halogens.

**DECOMPOSITION PRODUCTS:** t-pentanol, organic acid vapors, and silicon dioxide.

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** No data available

**CARCINOGENICITY:** No components of this product at levels greater than or equal to 0.1% is identified as a carcinogen.

**RTECS:** Not available

## SECTION 12 ECOLOGICAL DATA

No data available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all product and materials according to the state, local, or national regulations.

## SECTION 14 TRANSPORTATION DATA

Not a dangerous good

## SECTION 15 REGULATORY INFORMATION

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements.

**SARA 311/312:** Not listed.

**MASSACHUSETTS RIGHT TO KNOW:** No listed

**PENNSYLVANIA RIGHT TO KNOW:** Tris(tert-pentoxy)silanol 17906-35-3

**NEW JERSEY RIGHT TO KNOW:** Tris(tert-pentoxy)silanol 17906-35-3

**CALIFORNIA PROP. 65:** Not listed

## SECTION 16 OTHER INFORMATION

**DISCLAIMER:** The information herein is believed to be accurate and reliable as of the date compiled. However, WONIK MATERIALS NORTH AMERICA LLC makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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**SDS DEPT.**