

# Shimadzu Corporation

Device Department  
1 Nishinokyo Kuwabara-cho, Nakagyo-ku, Kyoto 604-8511 ,Japan  
Phone:+81-75-823-2236

## MATERIAL SAFETY DATA SHEET

CHEMICAL NAME:POLY(TRIMETHYSILYLPROPYE)  
SYNONYMS:POLY-1-TRIMETHYLSILYL-2-METHYLACETYLENE  
CHAMICAL FAMILY:RESIN  
FORMULA:C<sub>6</sub>H<sub>12</sub>Si<sub>n</sub>  
HMIS CODES HEALTH:1 FLAMMABILITY:1 REACTIVITY:0

### INGREDIENTS

IDENTITY	CAS NO.% TLV
POLY(TRIMETHYSILYLPROPYE)	87842-32-8 >95 not determined

### PHYSICAL DATA

Boiling Point : N/A	Softening Point: not determined
Specific Gravity :not determined	Vapor Pressure: not determined
Vapor Density: N/A	Solubility in water: insoluble
% Volatiles: <3	Evaporation rate: N/A
Molecular Weight: Not determined	Other: N/A
Appearance & Color: Off-white powder	

### FIRE&EXPLOSION DATA

Flash Point, COC : >121°C(>250° F) Autoignition Temp. : not determined  
Flammability Limits- LEL:NA UEL:NA

Extinguishing Media: Water spray ,foam, carbon dioxide, dry chemical.  
Special Fire Fighting Procedures : Avoid eye and Skin contact. Do not breathe fumes or inhale vapors.  
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

### ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal : Dispose as solid waste. Follow all chemical pollution control regulations.

### HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: Not determined.

Chronic Toxicity: There are no known chronic effects related to this compound.

#### SUGGESTED FIRST AID

**EYES:** In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

**SKIN:** Flush with water, then wash with soap and water.

**INHALATION:** Move exposed individual to fresh air. Call a physician.

**INGESTION:** Never give Fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

### REACTIVITY DATA

Stability: Stable in sealed containers at temperatures below 30°C

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating methanol.

Hazardous decomposition products: Organic Acid Vapors.

### SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or dust mask protection.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

### OTHER PRECAUTIONS

For research and industrial use only

storage and Handling: Store in sealed containers.

Ground containers when handling powder.

### TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAWARD CLASS: NOT REGULATED

DOT LABEL: NOT REGULATED

DOT ID No: NOT REGULATED

Prepared by safety and environmental affairs ISSUE DATE SSP-070:8/21/02

SUPERSEDES:6/6/95

The information contained in this document has been gathered from reference materials and/or SHIMADZU Corp. test data and is to the best knowledge and belief of SHIMADZU Corp. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. SHIMADZU Corp. make no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.