



## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006  
Version 1.0 Revision date 14/02/2018

### 1. IDENTIFICATION OF THE SUBSTANCE: MIXTURE AND THE COMPANY / UNDERTAKING

Substance/mixture Name: PDMS grafted Triethoxysilane  
 Product reference: SP-8P-2-002  
 CAS No: /  
 Uses of the substance/mixture: **Product from R&D - For R&D use only** **Not fully tested**

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### 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture

|                                                             |      |         |
|-------------------------------------------------------------|------|---------|
| Skin Corrosion /Irritation Category 2                       | H315 | Warning |
| Serious eye damage/eye irritation Category 2/2A             | H319 | Warning |
| Specific Target Organ toxicity - single exposure Category 3 | H335 | Warning |

#### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Warning

Hazard statement(s)

|      |                                  |
|------|----------------------------------|
| H315 | Causes skin irritation           |
| H319 | Causes serious eye irritation    |
| H335 | May cause respiratory irritation |

Precautionary statement(s)

|              |                                                                                                                                  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| P280         | Wear protective gloves/protective clothing/eye protection/face protection                                                        |
| P305+351+338 | IF IN EYES Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P302+352     | IF ON SKIN Wash with soap and water                                                                                              |

Supplemental Hazard Statements none

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | Classification               |      |      | Concentration |        |
|-----------|------------------------------|------|------|---------------|--------|
| Name :    | PDMS grafted Triethoxysilane |      |      |               |        |
| CAS No :  | /                            | H315 | H319 | H335          | 0-100% |
| Name :    |                              |      |      |               |        |
| CAS No :  |                              |      |      |               | 0-100% |
| Name :    |                              |      |      |               |        |
| CAS No :  |                              |      |      |               | 0-100% |

For the full text of the H-Statements mentioned in this section, see Section 16.

### 4. FIRST AID MEASURES

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust.

#### Environmental precautions

Do not let product enter drains.

#### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid formation of dust aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

#### Conditions for safe storage

Keep container tightly in a dry and well-ventilated place. Store in cool place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Eye protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN (166 (EU)).

### Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### a) Appearance

Form : Viscous liquid  
Colour: Colorless

### b) Safety data

pH not data available  
Boiling point : not data available  
Melting point : not data available  
flash point : not data available  
solubility in : not data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions :

**Storage at 4°C under argon**

### Conditions to avoid

Heat, flames and sparks.

### Materials to avoid

Strong oxidizing agents.

### Hazardous decomposition products

Not data available

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Skin corrosion/irritation

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Potential health effect**

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| <b>Inhalation</b> | May be harmful if inhaled. May cause respiratory tract irritation.  |
| <b>Ingestion</b>  | May be harmful if swallowed.                                        |
| <b>Skin</b>       | May be harmful if absorbed through skin. May cause skin irritation. |
| <b>Eyes</b>       | Causes eye burns.                                                   |

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

**Additional information**

RTECS : not available

**12. ECOLOGICAL INFORMATION****Toxicity**

No data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**PBT and vPvB assessment**

No data available

**Other adverse effects**

No data available

### 13. DISPOSAL CONSIDERATIONS

#### Product

Offer surplus and no-recyclable solutions to licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent.

#### Contaminated packaging

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### UN-Number

ADR/RID                      IMDG                      IATA

#### UN proper shipping name

ADR/RID                      IMDG                      IATA

#### Transport hazard class(es)

ADR/RID                      IMDG                      IATA

#### Packaging group

ADR/RID                      IMDG                      IATA

#### Environmental hazards

ADR/RID                      IMDG                      IATA

#### Special precautions for users

no data available

### 15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of regulation (EC) No. 1907/2006

### 16. OTHER INFORMATION

Skin Corrosion /Irritation Category 2

Serious eye damage/eye irritation Category 2/2A

Specific Target Organ toxicity - single exposure Category 3

H315                      Causes skin irritation  
H319                      Causes serious eye irritation  
H335                      May cause respiratory irritation

#### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Specific Polymers, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. The product is solely research and development purpose and not intended for food, drug or household purposes.