

## **SAFETY DATA SHEET**

According to Regulation (EC) No. 1907/2006

Version 2.0, Revision Date 02/25/2016

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GENERIC EU MSDS-NO COUNTRY SPECIFICATION DATA-NO OEL DATA

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

Product name: Special plastic, conducting polymer; PCE-10  
Product Number: OS0100  
Brand: 1M  
Product Use: For laboratory research purposes.  
Company: 1-Material Inc  
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### **2. HAZARDS IDENTIFICATION**

#### **Classification of the substance or mixture**

Not a dangerous substance according to GHS.

This substance is not classified as dangerous according to Directive 67/548/EEC.

#### **Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards** – none

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms : PCE1-10, OS0100, PT7-TH, solar polymer

CAS-No	EC-No	Index-No	Classification	Concentration
Poly[[4,8-bis[5-(2-ethylhexyl)-2-thienyl]benzo[1,2- <i>b</i> :4,5- <i>b'</i> ]dithiophene-2,6-diyl][2-[[2-ethylhexyl)oxy]carbonyl]-3-fluorothieno[3,4- <i>b</i> ]thiophenediyl]]				
1469791-66-9	-	-	-	-

### **4. FIRST AID MEASURES**

#### **If inhaled**

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

#### **In case of skin contact**

Wash off with soap and plenty of water.

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### **In case of eye contact**

Flush eyes with water as a precaution.

### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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## **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.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Avoid dust formation.

### **Environmental precautions**

Do not let product enter drains.

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

Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

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

### **Conditions for safe storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Handle and store under inert gas. Product is sensitive to light and moisture.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

For prolonged or repeated contact use protective gloves.

#### **Eye protection**

Safety glasses

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## Hygiene measures

General industrial hygiene practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	solid
Colour	purple

### Safety data

pH	no data available
Melting point	> 300 oC
Boiling point	>400 oC
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	insoluble

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## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

Stable under room condition

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

No decompose under the storage condition

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## 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

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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## 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 effects

<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>	May cause eye irritation.

## 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: no data available

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## 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

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## 13. DISPOSAL CONSIDERATIONS

### Product

Observe all federal, state, and local environmental regulations.

### Contaminated packaging

Dispose of as unused product.

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## **14. TRANSPORT INFORMATION**

### **ADR/RID**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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## **15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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## **16. OTHER INFORMATION**

### **Further information**

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**Research samples, laboratory use only**