



OrgaLight Company  
Special Chemical

## Safety Data Sheet

**Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]**

Creation date:

25/08/2009

### Section 1 - Identification of the substance and of the company :

Product name : Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

Product Number : OLT-P001-DPn

Synonyms : MEH-PPV

Identification of the Company : Orgalight  
1Bis impasse de la Perle  
69700 GIVORS ; FRANCE

Place of manufacture and conditioning: Orgalight  
Chemin du canal, Bât CNRS/LMOPS  
69360 SOLAIZE; FRANCE

Information phone : +33 (0)6.71.11.20.13  
+33 (0)4.78.02.22.39

### Section 2 - Composition and information on ingredients :

Usual chemical name : Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

Purity or concentration: none

Registry number (n°CAS) : 138184-36-8

Formula :  $(C_{18}H_{28}O_2)_n$

Classification : None

### Section 3 - Hazards identification :

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

Eyes : N/A.

Skin : N/A.

Ingestion : N/A

Inhalation : N/A

**Section 4 – First aid measures :**

*Eyes contact:* Flush eyes with water as a precaution

*Skin contact:* Wash off with soap and plenty of water.

*If swallowed:* Rinse mouth with water then seek medical advice.

*If inhaled:* Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**Section 5 – Fire-fighting measures :**

Protective equipment : Wear self-contained breathing apparatus.  
Wear full protective suit.

Suitable extinguishing agents: CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Products of combustion : Carbon oxides

**Section 6 – Accidental release measures :**

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away  
Ensure adequate ventilation

Cleaning/collecting : Sweep up and shovel. Keep in suitable, closed containers for disposal

**Section 7 – Handling and storage :**

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

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Protect from light and air.

**Section 8 – Exposure control/personal protection :**Personal protective equipment :

- *Eyes* : wear safety glasses
- *Hands* : Wear appropriate protective gloves (EN 374).
- *Skin* : Wear a protective work clothing with a good chemical-resistant.
- *Breathing*: Respiratory protection is not required. Where protection from nuisance levels of dusts is 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).

Use this product under a chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Section 9 – Physical and chemical properties :**

Appearance (In normal temperature and pressure conditions)	
<ul style="list-style-type: none"> <li>• Physical state:</li> <li>• Color :</li> <li>• Odor :</li> </ul>	Solid, powder Red Not determined
Change of state	
<ul style="list-style-type: none"> <li>• Melting point:</li> <li>• Boiling point :</li> <li>• Sublimation (start) :</li> </ul>	Not determined Not determined Not determined
Flash point :	Not determined
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Risk of explosion :	Product is not explosive
Explosion critical values	
<ul style="list-style-type: none"> <li>• Lower :</li> <li>• Upper :</li> </ul>	Not applicable Not applicable
Steam pressure:	Not applicable
Density :	Not determined
Refractive index (20°C) :	Not determined
Solubility in water:	Insoluble
Other solvents :	very soluble in NMP, THF, chlorinated solvent

**Section 10 – Stability and reactivity :**

Chemical stability: stable under recommended storage conditions.

Thermal decomposition: No decomposition under normal storage conditions.

Incompatibility: Strong oxidizing agents.

Dangerous reactions: No dangerous reactions known

Hazardous decomposition products: Carbon oxides,

**Section 11 – Toxicological information :**

Acute toxicity: Not determined.

Primary irritant effect:

- Skin : May cause irritation
- Eyes : May cause irritation
- Inhalation : May cause irritation
- Ingestion : May cause irritation and be harmful.

Sensitization : No sensitizing effect known

Additional information: The acute and chronic toxicity as well as carcinogenic properties aren't fully known.

**Section 12 – Ecological information :**

No valuable data, but do not allow material to be released to the environment without proper governmental permit.

**Section 13 – Disposal considerations :**

Dispose of the material and any other contaminated object (wrapping, paper, etc..) In accordance with state regulations local, national, provincial and federal.

**Section 14 – Transport information :**

<i>Shipping :</i>	<b>IATA</b>	<b>IMO/IMGD</b>	<b>RID /ADR</b>
<b>Proper shipping name:</b>			
<b>Risk Class :</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>UN-Number :</b>			
<b>Packing group :</b>			

**Section 15 – Regulatory information :**

Classification and labelling according to EC directives (Warning, this product is not fully tested)

Hazard symbols: None

R-phrase(s):

S-phrase(s):

**Section 16 - Other information :**

This material must be used only by professional people who are technically qualified and work in a scientific area. Orgalight shall not be held liable for any damage resulting from misuse, handling or from contact with the above product.

Product on the market since: 2/11/2009