

AMERICAN DYE SOURCE, INC.

## MATERIAL SAFETY DATA SHEET

Revised September 2007

### Section 1 - Product and Company Information

PRODUCT NAME: Polythiophene Derivative ADS306PT - EG

COMPANY: American Dye Source, Inc.  
555 Morgan Boulevard  
Baie d'Urfe, Quebec, Canada H9X 3T6  
Tel. 514 457-0070  
Fax 514 457-0071

### Section 2 - Composition/Information on Ingredient

SUBSTANCE NAME: Poly(3-hexylthiophene-2,5-diyl), Regio-regular Electronic Grade

CAS REGISTRY NUMBER: Not available

### Section 3 - Hazards Identification

EMERGENCY OVERVIEW: Avoid contact and inhalation

HMIS-RATING: Health: Not Available  
Flammability: Not Available  
Reactivity: Not Available

*For additional information on toxicity, please refer to Section 11.*

NFPA-RATING: Health: Not Available  
Flammability: Not Available  
Reactivity: Not Available

### Section 4 - First Aid Measures

ORAL EXPOSURE: If swallowed, wash out mouth with water provided person is conscious.  
Call a physician.

INHALATION EXPOSURE: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE: In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### Section 5 - Fire Fighting Measures

FLASH POINT: Not available

AUTOIGNITION TEMP: Not available

FLAMMABILITY:	Not available
EXTINGUISHING MEDIA:	Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
FIREFIGHTING:	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

#### Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S):	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
METHODS FOR CLEANING UP:	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

#### Section 7 - Handling and Storage

HANDLING:	User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
STORAGE:	Suitable: Keep tightly closed.

#### Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS:	Use only in a chemical fume hood. Safety shower and eye bath.
PERSONAL PROTECTIVE EQUIPMENT:	Respiratory: Wear dust mask. Hand: Protective gloves. Eye: Chemical safety goggles.
GENERAL HYGIENE MEASURES:	Wash thoroughly after handling.

#### Section 9 - Physical/Chemical Properties

APPEARANCE:	Golden Green
MOLECULAR WEIGHT:	48 000
MELTING POINT:	Not available
DENSITY:	Not available
VAPOR PRESSURE:	Not available

#### Section 10 - Stability and Reactivity

STABILITY:	Stable: Stable. Materials to Avoid: Strong-oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrous oxides

HAZARDOUS POLYMERIZATION: Hazardous Polymerization: Will not occur

### Section 11 - Toxicological Information

ROUTE OF EXPOSURE:	Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin.  Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.
SENSITIZATION:	Sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
TARGET ORGAN(S) OR SYSTEM(S):	No data available
SIGNS AND SYMPTOMS OF EXPOSURE:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Section 12 - Ecological Information

No data available.

### Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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### Section 14 - Transport Information

DOT :	Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.
IATA:	Non-Hazardous for Air Transport: Non-hazardous for air transport.

### Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION:	S: N/A Safety Statements: Do not breathe dust. Avoid contact with skin and eyes.
US CLASSIFICATION AND LABEL TEXT:	US Statements: Caution: Avoid contact and inhalation.
UNITED STATES REGULATORY INFORMATION:	SARA LISTED: No

**CANADA REGULATORY  
INFORMATION:**

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

**Section 16 - Other Information****DISCLAIMER:**

For R&D use only. Not for drug, household or other uses.

**WARRANTY:**

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. American Dye Source, Inc. 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. Copyright 2006 AMERICAN DYE SOURCE, INC. Co. License granted to make paper copies for internal use only.