

**SAFETY DATA SHEET**Version 3.0  
Revision Date 3/01/2015**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**Product name : Syna-PI 6976  
Cationic Photoinitiator (UVI 6976)

CAS-No. : 390388-69-9

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**Company : Synasia Inc.  
240 Amboy Ave.  
Metuchen New Jersey 08840  
USA

Contact Person (E-mail) : Larry Qiu (lqiu@synasia.com)

Telephone : 1-732-205-9880

Fax : 1-732-205-1788

**1.4 Emergency telephone number**

Emergency Phone # : 1-800-373-7542

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin Corrosion/Irritation (Category 1), H315

Sensitization skin (Category 1), H317

Eye damage/irritation (Category 1), H319

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

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word

Warning

Hazard statement(s)

H315:

Causes skin irritation

H317:

May cause an allergic skin reaction

H319:

Causes serious eye irritation.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264

Wash thoroughly after handling.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves/ eye protection/ face protection.

P321

Specific treatment (see supplemental first aid instructions on this label).

P362

Take off contaminated clothing.

P363

Wash contaminated clothing before reuse.

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313

If skin irritation occurs: Get medical advice/attention.

P333 + P313  
P337 + P313  
P501

If skin irritation or a rash occurs: Get medical advice/attention.  
If eye irritation persists get medical advice/attention.  
Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture:

CAS-No. : 390388-69-9

#### Hazardous components

Component	CAS-No	Concentration
(Thiodi-4,1-phenylene)bis(diphenylsulfonium) Diphenyl(4-phenylthio)phenylsulfonium	89452-37-9	≤50%
Dihexafluoroatimonate	71449-78-0	≤50%
Propylene carbonate	108-32-7	≤50%

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

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## 4. FIRST AID MEASURES

### 4.1 Description of 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

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

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray or foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

No data available

### 5.3 Advice for firefighters

Fire fighters, and others exposed, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. See MSDS Section 8 (Exposure Controls/Personal Protection).

### 5.4 Further information

No data available

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment, including respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

## 6.2 Environmental precautions

No data available

## 6.3 Methods and materials for containment and cleaning up

Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

## 6.4 Reference to other sections

For disposal see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do User Exposure: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact.

### 7.2 Conditions for safe storage, including any incompatibilities

Suitable: Keep container tightly closed in cool condition when not in use and during transport.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Measures:

Mechanical exhaust required.

### Respiratory Protection:

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

### Eye Protection:

Prevent eye and skin contact. Provide eye wash fountain and safety shower in close proximity to points of potential exposure. We are eye/face protection such as chemical splash proof goggles or face shield.

### Skin Protection:

Prevent contamination of skin or clothing when removing protective equipment. Wear impermeable gloves and suitable protective clothing.

### Additional Advice:

Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- |  |   |
|--|---|
| a) Appearance                              | Form: Liquid<br>Colour: Yellow to amber |
| b) Odour                                   | Odourless                               |
| c) Odour Threshold                         | No data available                       |
| d) pH                                      | 6-8                                     |
| e) Melting point/freezing point            | No data available                       |
| f) Initial boiling point and boiling range | 220 °C (428 °F)                         |
| g) Flash point                             | No data available                       |
| h) Evaporation rate                        | No data available                       |

- |   |                                  |
|---|----------------------------------|
| i) Flammability (solid, gas)                    | No data available                |
| j) Upper/lower flammability or explosive limits | No data available                |
| k) Vapour pressure                              | No data available                |
| l) Specific gravity/density                     | 1.3-1.5g/cm <sup>3</sup> @ 20 °C |
| m) Relative density                             | No data available                |
| n) Water solubility                             | No data available                |
| o) Partition coefficient: n-octanol/water       | No data available                |
| p) Auto-ignition temperature                    | No data available                |
| q) Decomposition temperature                    | No data available                |
| r) Viscosity                                    | 500cps                           |
| s) Explosive properties                         | No data available                |
| t) Oxidizing properties                         | No data available                |

**9.2 Other safety information**

No data available

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

Stable

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Avoid contact with excessive heat, open flame, sparks, or ignition source. Avoid exposure to sunlight, ultraviolet light or fluorescent light.

**10.5 Incompatible materials**

Mineral acid.

**10.6 Hazardous decomposition products**

Toxic fumes of carbon dioxide, carbon, monoxide, and hydrogen fluoride gas.

In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**

No data available

**Skin corrosion/irritation**

May cause skin irritation.

May be harmful if absorbed through the skin.

**Serious eye damage/eye irritation**

May cause eye irritation.

**Respiratory or skin sensitisation**

May cause allergic skin reaction.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

Kidneys. Liver. Respiratory system

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Additional Information**

RTECS: Not available

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Contact a licensed professional waste disposal service to dispose of this material. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**14. TRANSPORT INFORMATION**

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

For Europe and China,

UN3077, Class 9, Packing Group III, Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

**USDOT**

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.

**15. REGULATORY INFORMATION****FEDERAL/NATIONAL**

**RCRA Status:** Not a hazardous waste under RCRA (40 CFR 261).

**CERCLA status:** Not listed.

**SARA/TITLE-TOXIC CHEMICALS LIST:** This product does not contain a toxic chemical for routine annual toxic chemical release reporting under sec. 313(40 CFR 372)

**STATE/LOCAL****PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT)**

This product is subject to the worker and community Right-to-know Act.

Component	CAS#	Amount
Antimony compounds	not available	50.0000%

**CALIFORNIA PROPOSTION 65(SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986)**

This product contains the following chemical(s) known to the state of California to cause cancer and birth

Print Date: 6/19/2018  
 Component  
 Benzene

CAS#  
 71-43-2

Amount  
 0.0010%

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defects or reproductive harm.

CALIFORNIA SCAQMD RULE 443.1(SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULLE 443.1, LABELING OF MATERIALS CONTAINING ORGANIC SOLVENTS)

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## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.

H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

### HMIS Rating

Health Hazard	2
Fire Hazad	1
Reactivity Hazard	0
Protective Equipment	B

### NFPA Rating

Health hazard:	2
Fire Hazard:	1
Reactivity Hazard:	0

### 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. Synasia Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.