

# MATERIAL SAFETY DATA SHEET

## Triarylsulfonium Hexafluorophosphate salts

### Syna-PI 6992

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Triarylsulfonium hexafluorophosphate salts

Application of the substance/ the preparation:

Coating material

Further information obtainable from:

Product safety department Company name:

Synasia Inc.

240 Amboy Ave.

Metuchen NJ 08840

USA

Tel: +732 205 9880

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#### 2. HAZARDS IDENTIFICATION

##### COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: Mixed type triarylsulfonium hexafluoroantimonate salts



Pictograms

Signal word

Warning

Hazard statement(s)

H301/H303: Toxic if swallowed, maybe harmful if swallowed

H313: May be harmful in contact with skin

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H320: May cause eye irritation

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: Mixed type triarylsulfonium hexafluoroantimonate salts

CAS:

1. 68156-13-8

Diphenyl(4-phenylthio)phenylsulfonium hexafluorophosphate

2. 74227-35-3

(Thiodi-4, 1-phenylene)bis(diphenylsulfonium) hexafluorophosphate

3. 108-32-7

Propylene carbonate (4-methyl-1,3-dioxane-2-one)

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

If inhaled: Remove to fresh air and summon medical help if respiratory irritation develops or if breathing becomes difficult.

On skin contact: Wipe away excess material with dry towel and then wash affected areas with plenty of water for several minutes. Get medical attention immediately if irritation occurs.

On contact with eyes: Immediately wash affected eyes for several minutes under running water with eyelids held open.

Get medical attention immediately if irritation occurs.

If swallowed: Wash out mouth with water and then drink plenty of water, and summon physician. Do not give anything by mouth to an unconscious or convulsing person.

#### **5. FIRE-FIGHTING MEASURES**

Flash point: >140°C (> 284°F) Method: Close Cup

Flammable limits: Not applicable

Decomposition temp.: ca. 50°C

Extinguishing media: Carbon dioxide, foam, dry chemical, water spray.

Fire fighting procedures-special: Use self-contained breathing apparatus.

#### **6. ACCIDENTAL RELEASE MEASURES**

Wear appropriate personal protective equipment, including appropriate respiratory protection to ventilate contaminated area. Contain spill if possible. Wipe up or absorb on suitable material and shove up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

#### **7. HANDLING AND STORAGE**

Handling precaution: In accordance with good industrial practice, handle with care and avoid unnecessarily personal contact. Avoid contact with eyes and prolonged or repeated skin contact.

For industrial use only.

Shipping and storing precautions: Keep container tightly closed in cool condition when not in use and during transport.

Personal hygiene: Wash thoroughly after handling.

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

Protective equipment:

Eye protection: safety goggle is recommended.

Skin protection: Glove and lab coat is recommended.

Respiratory protection: Suitable mask is recommended where vapor arises from use.

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Light Yellow powder

Purity: 98.0% min.

#### **10. STABILITY AND REACTIVITY**

Stability: Stable

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

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

## 11. TOXICOLOGICAL INFORMATION

Acute effects:

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye and skin irritation.

May be irritated to mucous membranes and upper respiratory tract.

## 12. ECOLOGICAL INFORMATION

Data not yet available.

## 13. DISPOSAL CONSIDERATIONS

Waste disposal method:

Incinerate in a chemical incinerator equipped with an afterburner and scrubber .Follow all federal , state and local Regulations.

## 14. TRANSPORT INFORMATION

For Europe.

UN3077

Class: 9,

Packing group: III,

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

DOT class: NONE

IATA class: NONE

## 15. REGULATORY INFORMATION

TSCA: Listed

NDSL: Listed

EINECS: Listed

EC#: 403-500-0

On Chinese inventory of existing chemical Substances

## 16. OTHER INFORMATION

Shelf life: 1 year minimum in sealed containers protected from light and heat.

Suggested uses: A cationic photoinitiator for UV-Curable systems.

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