

SUPPLIER: GUARSON CHEMICALS Co., Ltd

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Status 18.07.08

## Cationic Photoinitiator(GARICURE®6976)

Section 1-----Identification of the substance Preparation and of the company-----

Trade name: Cationic Photoinitiator(GARICURE®6976)

Application of the substance/the preparation:

Coating material

Further information obtainable from:

Product safety department

Section 2-----Composition /Information on ingredients-----

Component	CAS No.	amount(%w/w)
Diphenyl(4-phenylthio)phenylsulfonium Hexafluoroatimionate	8945-2-37-9	50%max
(Thiodi-4,1-phenylene)bis(diphenylsulfonium) hexafluoroatimionate	71449-78-0	50%max
Propylene carbonate	108-32-7	50%max

Section 3-----Possible hazards-----

Causes eyes irritation

May cause allergic skin reaction

Section 4-----First aid measures-----

**If inhaled:** Remove to refresh 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.

Section 5-----Fire Fighting and measures-----

Flash point: &gt;140°C (284°F) (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.

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## Section 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

## Section 7-----Handling and storage-----

**Handling precaution:** In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. For industrial use only.

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

**Personal hygiene:** Wash thoroughly after handling.

## Section 8-----Exposure controls and personal protection-----

**Protective equipment:**

**Eye protection:** safety goggles is recommended.

**Skin protection:** Glove and lab coat is recommended.

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

## Section 9-----Physical and chemical properties-----

**Appearance:** Yellow to amber liquid

**Specific Point:**  $>1.3-1.5\text{g/cm}^3@20^\circ\text{C}$

**Boiling Point:**  $>220^\circ\text{C}$  ( $428^\circ\text{F}$ )

**Vapor density:**  $>1$

**PH value:** 6-8

**Viscosity:** 100cps

**Soluble in water:** Insoluble

## Section 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.

## Section 11-----Toxicological information-----

**Acute effects:**

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

May cause eye and skin irritation

May be irritatating to mucous membranes and upper respiratory tract.

Section 12-----Ecological information-----

Data not yet available.

Section 13-----Ecological information-----

Waste disposal method:

Incinerate in a chemical incinerator equipped with an after burner and scrubber.Follow all federal,state and local regulations.

Section 14-----Transport information-----

Dot proper shipping name:

Not regulated as a hazardous material by the U.S.Dept.of transportation.

(DOT)49 CFR 172.101 HAZADOUS MATERIAL TABLE.

DOT class:None

DOT number:None

HMIS Rating:Health:2 Flammability:1 Reactivity:0 roective Equipment:B

NFPA Rating: Health:2 Flammability:1 Reactivity:0 Special

Emergency [Tel:86-523-88059600](tel:86-523-88059600)

Section 15-----Regulatory information-----

14.1FEDERAL/NATIONAL

RCRA Status:Not a hazardous waste undr rcra(40 CFR 261).

CERCALA status:Not listed.

SARA/TITLE III-TOXIC CHEMICALS LIST:

This product does not contain a toxic chemical for routine annual toxic chemical release reporting under sec.313(40 CFR372)

PENNSYLVANIA(WORKER AND COMMUNITY RIGHT-TO-KNOW ACT)

This product does not contain a toxic chemical for routine annual toxic chemical release reporting under sec.313(40 CFR 372)

14.2 STATE/LOCAL

PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT)

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

Component	CAS No	Amount
Animiny compounds	not available	≤50.00%

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 causer and birth defects or reproductive arm.

Component	CAS No	Amount
Benzene	71-43-2	≤0.0010%

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

VOC: vapor pressure<0.03 mmHg@20°C

699g/1 VOC

Section 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.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.