

## RHODORSIL PHOTO INITIATOR 2074

Date Prepared: 7/20/99

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## 1. PRODUCT AND COMPANY DESCRIPTION

RHODIA INC.  
SILICONES  
911 E. White Street  
Rock Hill SC 29730

**Emergency Phone Numbers:**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls) or Rhodia CAERS (Communication and Emergency Response System) at 800-916-3232.

**For Product Information:**

(803) 329-5260

**Chemical Name or Synonym:**

UV ABSORBER

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	OSHA Hazard	Percentage
IODONIUM BORATE SALT	178233-72-2	Y	100

## 3. HAZARDS IDENTIFICATION

**A. EMERGENCY OVERVIEW:****Physical Appearance and Odor:**

white powder solid, odorless.

**Warning Statements:**

HARMFUL IF SWALLOWED. Product will not self polymerize, but as a photoinitiator, can initiate the polymerization of organic monomers with rapid evolution of heat that could result in a hazardous situation.

**B. POTENTIAL HEALTH EFFECTS:****Acute Eye:**

Non-irritating.

**Acute Skin:**

Skin absorption not likely. Non-irritating.

**Acute Inhalation:**

Dusts may cause respiratory tract irritation.

**Acute Ingestion:**

Harmful if ingested. May cause nausea, vomiting, diarrhea.

**Chronic Effects:**

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

## 4. FIRST AID MEASURES

**FIRST AID MEASURES FOR ACCIDENTAL:****Eye Exposure:**

Rinse particulate matter from eye. Seek medical attention if irritation develops or persists or if visual changes occur.

**Skin Exposure:**

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

**Inhalation:**

If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:**

If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

**NOTES TO PHYSICIAN:**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

## 5. FIRE FIGHTING MEASURES

**FIRE HAZARD DATA:**

**Flash Point:**

> 93 C (200 F). Flammability Class: WILL BURN.

**Method Used:**

Closed cup

**Flammability Limits (vol/vol%):**

**Lower:**

No Data

**Upper:**

No Data

**Extinguishing Media:**

dry chemical, foam, water, carbon dioxide.

**Special Fire Fighting Procedures:**

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.

**Unusual Fire and Explosion Hazards:**

Product will burn under fire conditions. Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

**Hazardous Decomposition Materials (Under Fire Conditions):**

hydrogen fluoride

oxides of boron

oxides of carbon

## 6. ACCIDENTAL RELEASE MEASURES

**Evacuation Procedures and Safety:**

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Containment of Spill:**

Follow procedure described below under Cleanup and Disposal of Spill.

**Cleanup and Disposal of Spill:**

Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. Collect washings for disposal. Avoid creation of dusty conditions.

**Environmental and Regulatory Reporting:**

Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperatures:**

Not Available

**Handling:**

Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts.

THIS PRODUCT MAY PRESENT A DUST EXPLOSION HAZARD. It is recommended that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression system or an oxygen deficient environment. In addition, all conductive elements of the system that contact this material should be electrically bonded and grounded. This powder should not

be flowed through non-conductive ducts or pipes. Use only appropriately classed electrical equipment.

**Storage:**

Store in original container. Store in tightly closed containers. Store in an area that is dry, well-ventilated, sheltered, Recommended container material: light resistant, plastic, Container material to avoid: aluminum, steel.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**Exposure Guidelines:**

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting the regulatory requirements. The following limits apply to this material, where, if indicated, S=skin and C=ceiling limit:

**PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION**

	Notes	TWA	STEL
OSHA		5 mg/cu m	

**PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST**

	Notes	TWA	STEL
OSHA		15 mg/cu m	

**PARTICULATES, NOT OTHERWISE CLASSIFIED, RESPIRABLE PARTICULATE**

	Notes	TWA	STEL
ACGIH		3 mg/cu m	

**Engineering Controls:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

**Respiratory Protection:**

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): dust/mist filtering respirator.

**Eye/Face Protection:**

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

**Skin Protection:**

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

**Work Practice Controls:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

**Physical Appearance:**

white powder solid.

**Odor:**

odorless.

**pH:**

Not Applicable

**Specific Gravity:**

Not Available

**Water Solubility:**

practically insoluble

**Melting Point Range:**

> 120 C (248 F)

**Boiling Point Range:**

Not Available

**Vapor Pressure:**

Not Available

**Vapor Density:**

Not Available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:**

This material is stable under normal handling and storage conditions described in Section 7.

**Conditions To Be Avoided:**

dusting conditions

electric arcs

extreme heat

light

open flame

**Materials/Chemicals To Be Avoided:**

strong bases

strong acids

strong oxidizing agents

**Decomposition Temperature Range:**

236 to 238 C (457 to 460 F)

**The Following Hazardous Decomposition Products Might Be Expected:****Decomposition Type: thermal**

hydrogen fluoride

oxides of carbon

**Hazardous Polymerization Will Not Occur.****Avoid The Following To Inhibit Hazardous Polymerization:**

not applicable

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:****Toxicological Information and Interpretation:**

eye - eye irritation, rabbit. Non-irritating.

**Acute Skin Irritation:****Toxicological Information and Interpretation:**

skin - skin irritation, rabbit. Non-irritating.

skin - sensitization, guinea pig. Not sensitizing.

**Acute Dermal Toxicity:**

No test data found for product.

**Acute Respiratory Irritation:**

No test data found for product.

**Acute Inhalation Toxicity:**

No test data found for product.

**Acute Oral Toxicity:****Toxicological Information and Interpretation:**

LD50 - lethal dose 50% of test species, > 200 mg/kg, rat.

LD50 - lethal dose 50% of test species, < 2000 mg/kg, rat.

**Chronic Toxicity:**

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

No additional test data found for product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:**

No data found for product.

**Chemical Fate Information:**

No data found for product.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**Container Handling and Disposal:**

Rinse containers before disposal.

**EPA Hazardous Waste - NO**

## 14. TRANSPORTATION INFORMATION

**Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.**

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**US Department of Transportation**

Shipping Name:

NOT REGULATED

## 15. REGULATORY INFORMATION

**Inventory Status**

<b>Inventory</b>	<b>Status</b>
UNITED STATES (TSCA)	Y
CANADA (DSL)	N
EUROPE (EINECS/ELINCS)	Y
AUSTRALIA (AICS)	N
JAPAN (MITI)	N
SOUTH KOREA (KECL)	N

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

**FEDERAL REGULATIONS**

**Inventory Issues:**

All functional components of this product are listed on the TSCA Inventory.

**SARA Title III Hazard Classes:**

Fire Hazard	- NO
Reactive Hazard	- NO
Release of Pressure	- NO
Acute Health Hazard	- YES
Chronic Health Hazard	- NO

**STATE REGULATIONS:**

This product does not contain any components that are regulated under California Proposition 65.

## 16. OTHER INFORMATION

### National Fire Protection Association Hazard Ratings--NFPA(R):

2	Health Hazard Rating--Moderate
1	Flammability Rating--Slight
0	Instability Rating--Minimal

### National Paint & Coating Hazardous Materials Identification System--HMIS(R):

2	Health Hazard Rating--Moderate
1	Flammability Rating--Slight
0	Reactivity Rating--Minimal

### Reason for Revisions:

Change and/or addition made to Warning Statements in Section 3.

### Key Legend Information:

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

NTP - National Toxicology Program

IARC - International Agency for Research on Cancer

ND - Not determined

RPI - Rhone-Poulenc Established Exposure Limits

### Disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made.

**\*\* End of MSDS Document \*\***