



SDS: 0037060  
Date Prepared: 11/25/2022

## SAFETY DATA SHEET

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### 1. IDENTIFICATION

**Product Name:** UCECOAT® 7674 RADIATION CURING RESINS  
**Synonyms:** None  
**Product Description:** Aqueous PU dispersion, radiation curable  
**Molecular Formula:** Mixture  
**Molecular Weight:** Mixture  
**Intended/Recommended Use:** Radiation curable coating ingredient

Allnex USA Inc., 9005 Westside Parkway, Alpharetta, Georgia 30009, USA

**For Product and all Non-Emergency Information call** your local Allnex contact point or contact us at <http://www.allnex.com/contact>

**EMERGENCY PHONE (24 hours/day) - For emergency only involving spill, leak, fire, exposure or accident call:**  
+1-866-928-0789 (toll free) or +1-215-207-0061 (Carechem 24 - Allnex29003-NCEC)  
See Section 16 for Emergency phone numbers for other regions.

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Aquatic Environment Acute Hazard Category 3  
Aquatic Environment Chronic Hazard Category 3

#### LABEL ELEMENTS

#### Hazard Statements

Harmful to aquatic life  
Harmful to aquatic life with long lasting effects

#### Precautionary Statements

Avoid release to the environment.  
Dispose of contents/container in accordance with local and national regulations.

#### Hazards Not Otherwise Classified (HNOC), Other Hazards

Contact with skin may cause a cross-allergic reaction in persons already sensitized to acrylates.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS INGREDIENTS

Component / CAS No.	%	GHS Classification
Sodium Pyrithione 3811-73-2	~ 0.012	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT RE 1 (H372) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
Product Formulation (Tested) -	100	Aquatic Acute 3 (H402) Aquatic Chronic 3 (H412)

The specific chemical identity and/or exact percentage of composition for one or more ingredients has been withheld as a trade secret.

Additional GHS classification or other information may be included in this section but has not been adopted by OSHA. See Section 16 for full text of H phrases.

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## 4. FIRST AID MEASURES

### First-aid Measures

**Inhalation:**

Material is not expected to be harmful if inhaled. Remove to fresh air.

**Skin Contact:**

Wash immediately with plenty of water and soap.

**Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes.

**Ingestion:**

Material is not expected to be harmful by ingestion. No specific first aid measures are required.

**Most Important Symptoms and Effects, Acute and Delayed**

None known.

**Immediate Medical Attention and Special Treatment**

Not applicable.

**Notes To Physician:**

No specific measures have been identified.

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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

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

**Unsuitable Extinguishing Media:**

high pressure water jet.

**Protective Equipment:**

Firefighters, and others exposed, wear self-contained breathing apparatus.

**Special Hazards:**

Keep containers cool by spraying with water if exposed to fire.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

### Methods For Cleaning Up:

Cover spills with some inert absorbent. Sweep up into containers for disposal. Flush spill area with water.

### Environmental Precautions:

Avoid release to the environment.

### References to other sections:

See Sections 7, 8 and 13 for additional information.

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## 7. HANDLING AND STORAGE

### HANDLING

**Precautions:** Avoid release to the environment.

**Special Handling Statements:** Avoid excessive heat, contamination or exposure to direct sunlight to prevent polymerization.

### STORAGE

Freeze Sensitive. After prolonged storage (greater than 6 months) products tends to settle and may require agitation to redisperse. Stable under normal conditions of handling and storage.

**Storage Temperature:** Store at 4.00 - 40.00 °C 39.20 - 104.00 °F

**Reason:** Quality.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Measures:

Engineering controls are not usually necessary if good hygiene practices are followed.

### Respiratory Protection:

For operations where inhalation exposure can occur use an approved respirator. Recommendations are listed below. Other protective respiratory equipment may be used based on user's own risk assessment.

Recommended respirators include those certified by NIOSH.

#### Recommended:

Full Face Mask with organic vapor cartridge, Type A filter (BP >65°C)

### Eye Protection:

Wear eye/face protection.

### Skin Protection:

Avoid skin contact. Wear impermeable gloves.

### Hand Protection:

Wear protective gloves. Recommendations are listed below. Other protective materials may be used based on user's own risk assessment. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility etc.) is noticed.

Gloves for repeated or prolonged exposure - non exhaustive list:

Nitrile rubber (NBR), thickness: > 0.56 mm, break through time: up to 480 min

Gloves for short term exposure/splash protection - non exhaustive list:

Nitrile rubber (NBR), thickness: 0.1 mm, break through time: up to 30 min

The chemical resistance depends on the type of product and amount of product on the glove. Therefore gloves need to be changed when in contact with chemicals.

Not suitable gloves - non exhaustive list:

Latex gloves

Due to many conditions (e.g. temperature, abrasion) the practical usage of a chemical protective glove in practice may be much shorter than the permeation time determined through testing.

**Additional Advice:**

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

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**Exposure Limit(s)**

No values have been established.

**Biological Exposure Limit(s)**

No values have been established.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	white
<b>Appearance:</b>	emulsion
<b>Odor:</b>	mild practically odorless
<b>Boiling Point:</b>	~ 100 °C 212 °F (value for water)
<b>Melting Point:</b>	Not applicable
<b>Vapor Pressure:</b>	~ 2.3 kPa @ 20 °C (value for water)
<b>Specific Gravity/Density:</b>	~ 1.05 g/cm <sup>3</sup> @ 20°C
<b>Vapor Density:</b>	Not applicable
<b>Percent Volatile (% by wt.):</b>	58 - 62 mostly water
<b>pH:</b>	6.4 - 7.8 (10% aqueous solution)
<b>Saturation In Air (% By Vol.):</b>	Not applicable
<b>Evaporation Rate:</b>	Not available
<b>Solubility In Water:</b>	miscible in all proportions
<b>Volatile Organic Content:</b>	Not available
<b>Flash Point:</b>	> 100 °C 212 °F Non Flammable
<b>Flammable Limits (% By Vol):</b>	Not applicable
<b>Autoignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Odor Threshold:</b>	Not available
<b>Viscosity (Kinematic):</b>	Not available
<b>Viscosity (Dynamic):</b>	20 - 200 mPa.s @ 23 °C RPM: 50 Low viscous liquid
<b>Flammability:</b>	Normal combustion
<b>Oxidizing Properties:</b>	No

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**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No information available
<b>Stability:</b>	Stable.
<b>Conditions To Avoid:</b>	Stable at 25 C (77 F). Polymer will separate out of solution if neutralized with acid to pH <7.0. Do not freeze. Avoid adding cationic additives to concentrated material. Avoid exposure to light. Avoid temperatures > 40 C (104 F) for long periods of time. Avoid contact with bases. Avoid direct exposure to sunlight. Do not mix with acids or acidic materials. Risk of spontaneous polymerisation when heated or in the presence of UV radiation. Risk of spontaneous polymerisation in the presence of radical donors.
<b>Polymerization:</b>	May occur
<b>Conditions To Avoid:</b>	None known
<b>Materials To Avoid:</b>	Strong acids, bases or amines. Lewis acids mercaptans Strong oxidizers. Free radical initiators. May corrode mild steel Reactions with peroxides.
<b>Hazardous Decomposition Products:</b>	oxides of carbon acrylic acid toxic gases/vapors Isocyanates nitrogen oxides (NOx)

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## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Skin, Eyes, Oral.

**Acute toxicity - oral:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - dermal:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - inhalation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin corrosion / irritation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Serious eye damage / eye irritation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Respiratory sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Carcinogenicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Germ cell mutagenicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Reproductive toxicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific target organ toxicity (STOT) - repeated exposure:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Aspiration hazard:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

## PRODUCT TOXICITY INFORMATION

### ACUTE TOXICITY DATA

oral	rat	Acute LD50	> 2000 mg/kg
dermal	rabbit	Acute LD50	> 2000 mg/kg
Inhalation	rat	Acute LC50 4 hr	> 5 mg/l (Dust/Mist)

### LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	Not irritating
Acute Irritation	eye	Not irritating

### ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

### GENOTOXICITY

#### Assays for Gene Mutations

Ames Salmonella Assay	No data
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### OTHER INFORMATION

The toxicity data above are the results from Allnex sponsored studies or from the available public literature.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Contact with skin may cause a cross-allergic reaction in persons already sensitized to acrylates.

### HAZARDOUS INGREDIENT TOXICITY DATA

Acute oral toxicity data studies indicate that sodium Pyrithione meets the criteria for classification as harmful by the oral route (LD50 = 500 mg/kg). The LD50 value derived from an acute dermal study with rabbits is 790 mg/kg. The 4h inhalation LC50 value (dust/mist) with rats was 0.5 mg/L. Skin and eye irritation has been observed in rabbit studies. Based upon studies in animals and in humans, allergic reactions upon dermal exposure are possible. Effects on neuromuscular system was consistently reported in rats studies using oral, dermal and inhalation routes. Repeated exposure via oral, dermal or inhalation route lead to clinical signs for high doses only. Life time studies have not shown the development of tumours. Based on several negative mutagenicity and genotoxicity studies in in vitro and in vivo test systems, sodium pyrithione is not considered genotoxic. No evidence of teratogenic effects were seen and fertility was not affected at doses not causing general systemic effects.



**WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 12. ECOLOGICAL INFORMATION

### TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS

**Overall Environmental Toxicity:** Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Predicted to be not readily biodegradable.

## ALGAE TEST RESULTS

**Test:** Growth Inhibition (OECD 201)

**Duration:** 72 hr

**Species:** Pseudokirchneriella subcapitata

~ 19.8 mg/l EbC50

~ 58.3 mg/l ErC50

## RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

## HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Fish
Sodium Pyrethione (3811-73-2)	LC50 = 0.00767 mg/L - Danio rerio (96hrs)
Product Formulation (Tested) (-)	Not available

Component / CAS No.	Toxicity to Water Flea
Sodium Pyrethione (3811-73-2)	EC50 = 0.15 mg/L - Daphnia magna (48hrs)
Product Formulation (Tested) (-)	Not available

Component / CAS No.	Toxicity to Algae
Sodium Pyrethione (3811-73-2)	EC50 = 0.22 mg/L - Desmodesmus subspicatus (72hrs) NOEC = 0.033 mg/L - Desmodesmus subspicatus (72hrs)
Product Formulation (Tested) (-)	Not available

Component / CAS No.	Partition coefficient
Sodium Pyrethione (3811-73-2)	log Kow = -2.1
Product Formulation (Tested) (-)	Not available

## 13. DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA "listed hazardous waste" or has any of the four RCRA "hazardous waste characteristics." Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA "listed hazardous waste"; information contained in Section 15 of this SDS is not intended to indicate if the product is a "listed hazardous waste." RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 3 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. The Company encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. The Company recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. The Company has provided the foregoing for information only; the person generating the waste is

responsible for determining the waste classification and disposal method.

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## 14. TRANSPORT INFORMATION

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

### US DOT

Dangerous Goods? Not applicable/Not regulated

### TRANSPORT CANADA

Dangerous Goods? Not applicable/Not regulated

### ICAO / IATA

Dangerous Goods? Not applicable/Not regulated

### IMO

Dangerous Goods? Not applicable/Not regulated

### SPECIAL PRECAUTIONS FOR USER

Protect from freezing and protect against external heat sources above +40°C/104°F.

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## 15. REGULATORY INFORMATION

### Inventory Information

**United States (USA):** All components of this product are designated as "Active" on the TSCA Inventory or are not required to be listed.

**Canada:** All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

**European Economic Area (including EU):** When purchased and shipped from an Allnex legal entity based in the EEA (EU or Norway), this product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or registered.

**Australia:** One or more components of this product have NOT yet been included in the Australian Inventory of Industrial Chemicals (AIIC) or assessed by AICIS.

**New Zealand:** This product is approved or exempt under the Hazardous Substances and New Organisms (HSNO) Act.

**China:** One or more components of this product are NOT included on the Chinese (IECSC) inventory. The company has obtained the required notification approvals from the Ministry of Environmental Protection (MEP) as per the "Environmental Administrative Measures for New Chemical Substance" for the component(s) not listed in the Chinese Inventory (IECSC). The product can be imported/manufactured in China ONLY under specific conditions.

**Japan:** One or more components of this product are NOT included on the Japanese (ENCS and/or ISHL) inventories.



**Korea:** All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory. When purchased from Allnex Korea or Chemart distributor this product is compliant with the ARECs (the Act on the Registration and Evaluation, etc. of Chemical Substances). All its components are either excluded, exempt, pre-notified and/or registered. When purchased from another allnex entity, please contact PSRA-KREACH@allnex.com to check the possibility to be covered by our Only Representative.

**Philippines:** All components of this product are either listed on the Philippine (PICCS) inventory, have been assessed by Environmental Management Bureau (EMB) or are exempt from notification requirements.

**Taiwan:** All components of this product are included in the Taiwan chemical substance inventory or are not required to be listed on the Taiwan chemical substance inventory (TCSI).

**Switzerland:** All components of this product are exempt from the new substance notification requirements for Switzerland (SR 813.11 art. 24-26).

#### **OTHER ENVIRONMENTAL INFORMATION**

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

This product does not contain any components regulated under these sections of the EPA

#### **PRODUCT HAZARD CATEGORY UNDER SECTIONS 311 AND 312 OF EPCRA**

##### **Physical Hazards**

Not applicable

##### **Health Hazards**

Not applicable

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## **16. OTHER INFORMATION**

### **NFPA Hazard Rating (National Fire Protection Association)**

Health: 0 - Materials that under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

Fire: 0 - Materials that will not burn.

Instability: 1 - Materials that in themselves are normally stable, but that can become unstable at elevated temperatures and pressures.

**Reasons for Issue:** Revised Section 11

**Date Prepared:** 11/25/2022

**Date of last significant revision:** 03/06/2022

### **Component - Hazard Statements**

Sodium Pyrithione

H302 - Harmful if swallowed.

H311 - Toxic in contact with skin.

H331 - Toxic if inhaled.

H373 - May cause damage to organs through prolonged or repeated exposure.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H317 - May cause an allergic skin reaction.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

Product Formulation (Tested)

H412 - Harmful to aquatic life with long lasting effects.

## Emergency phone numbers for other regions

### Asia Pacific

Australia: +61 1800 022 037 (Allnex Australia)  
China (PRC): +86(0)532 8388 9090 (NRCC)  
India: 000 800 100 7479 (toll free) or +65 3158 1198 (Carechem 24)  
Indonesia: 007 803 011 0293 (Carechem 24)  
Japan: 0120 015 230 (toll free) (Carechem 24)  
Korea: +82 2 3479 8401 (Carechem 24)  
Malaysia: +60 3 6207 4347 (Carechem 24)  
New Zealand: +64 0800 803 002 (Allnex New Zealand)  
Philippines: +63 2 231 2149 (Carechem 24)  
Taiwan: +886 2 8793 3212 (Carechem 24)  
Vietnam: +84 8 4458 2388 (Carechem 24)  
All Others: +65 3158 1074 (Carechem 24)

### Europe

+44 (0) 1235 239 670 (Carechem 24)

### Middle East, Africa

+44 (0) 1235 239 671 (Carechem 24)

### Latin America

Brazil: +55-800-707-7022 (toll free) or +55-11-98149-0850 (Suatrans 24)  
Chile: +56 2 2582 9336 (Carechem 24)  
Mexico and all others: +52-555-004-8763 (Carechem 24)

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Prepared By: Product Sustainability & Regulatory Affairs Department, <http://www.allnex.com/contact>

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