

Section 1. Product and Company Identification

**Product Name** Ponazuril  
**CAS Number** 69004-04-2

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**GHS Classification**

Chronic Aquatic Toxicity (Category 2)  
Toxic to Reproduction (Category 2)

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

Toxic to aquatic life with long lasting effects.  
Suspected of damaging fertility or the unborn child.

**Australia-Only Hazards:** Not Applicable.

**Precautionary Statements**

**Prevention**

Avoid release to the environment.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection, face protection.

**Response**

Collect spillage.  
IF EXPOSED OR CONCERNED: Get medical advice/attention.

**Storage**

Store locked up.

**Disposal**

Dispose of contents and/or container in accordance with local regulations.

**HMIS Classification**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Personal Protection:** E

**Section 3. Composition / Information on Ingredients**

|                    |  |
|--------------------|--|
| <b>Common Name</b> | Ponazuril  |
| <b>Synonym(s)</b>  | 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1-methyl-3-(3-methyl-4-(4-(trifluoromethyl)sulfonyl)phenoxy)phenyl)-9Cl |
| <b>Formula</b>     | C <sub>18</sub> H <sub>14</sub> F <sub>3</sub> N <sub>3</sub> O <sub>6</sub> S                                 |
| <b>CAS Number</b>  | 69004-04-2   |

| COMPONENT | CAS NUMBER | CONCENTRATION |
|-----------|------------|---------------|
| Ponazuril | 69004-04-2 | 100% wt.      |

**Section 4. First Aid Measures**

**Eye Contact:** Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.

**Skin Contact:** Wash with soap & water for 15 minutes. If irritation persists seek medical aid.

**Ingestion:** Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician

**Symptoms and Effects:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Section 5. Firefighting Measures**

**Specific Hazards arising from the Chemical:** Not applicable

**Flammable Properties:** May be combustible at high temperature

**Hazardous Combustion Products:** Under fire conditions, hazardous fumes will be present.

**Extinguishing Media**

Small fire: Dry chemical, CO<sub>2</sub>, or water spray.

Large fire: Dry chemical, CO<sub>2</sub>, alcohol resistant foam, or water spray. Do not get water inside containers.



**Protective Equipment and Precautions for Firefighters** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

**Personal Precautions:** Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Methods & Material For Containment:** On land, sweep or shovel into suitable containers. Minimize generation of dust.

**Cleanup Procedure:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.

Section 7. Handling and Storage

**Precautions for Safe Handling:** Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

**Storage Conditions:** Store in original container, tightly sealed, protected from direct sunlight, in a dry and well-ventilated area, away from incompatible materials. Store in accordance with local regulations. Eliminate all ignition sources. Separate from oxidizing materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Preserve in well-closed, light-resistant containers and at a temperature between 15 to 30°C.

Section 8. Exposure Controls / Personal Protection

|                             | <b>TWA</b> | <b>Ceiling</b> | <b>STEL</b> | <b>REL</b> | <b>IDLH</b> | <b>Remarks</b> |
|-----------------------------|------------|----------------|-------------|------------|-------------|----------------|
| OSHA PEL                    | N/L        | N/L            | -           | -          | -           | -              |
| ACGIH TLV                   | N/L        | N/L            | N/L         | -          | -           | -              |
| NIOSH                       | N/L        | N/L            | N/L         | N/L        | N/L         | -              |
| AIHA WEEL                   | N/L        | N/L            | N/L         | -          | -           | -              |
| Safe Work<br>Australia HSIS | N/L        | N/L            | N/L         | -          | -           | -              |
| HSE                         | N/L        | N/L            | N/L         | -          | -           | -              |

N/L = Not Listed



**Exposure Guidelines:** Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m<sup>3</sup>.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Specific Engineering Controls:** Adequate mechanical ventilation. Fume hood, eye wash station, and safety shower

Section 9. Physical and Chemical Properties

**Physical State:** Solid

**Description:** White or almost white crystalline powder. Is odorless and light sensitive.

**Solubility:** Insoluble in water.

**Odor:** Odorless

**Flammability:** May be combustible at high temperature

**Odor Threshold:** Not available

**pH:** Not available

**Melting Point:** 242 - 246°C (467.6 - 474.8°F)

**Boiling Point:** Not available

**Flash Point:** Not available

**Specific Gravity:** Not available

**Evaporation Rate:** Not available

**Exposure Limit:** Not available

**Upper Flammable/Explosive Limits:** Not available

**Lower Flammable/Explosive Limits:** Not available

**Vapor Pressure:** Not available

**Vapor Density (Air = 1):** Not available

**Relative Density (Water = 1):** Not available

**Log P (Octanol-Water):** Not available

**Auto-Ignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Viscosity:** Not available

#### Section 10. Stability and Reactivity

**Reactivity:** Not established

**Stability:** Stable under recommended storage conditions

**Materials To Avoid:** Strong oxidants

**Hazardous Decomposition Products:** Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, and other gases may occur

**Hazardous Polymerization:** Will not occur

**Possibility of Hazardous Reaction:** Not established

**Conditions To Avoid:** Moisture, sunlight and extreme temperatures

#### Section 11. Toxicological Information

##### Acute Toxicity

**Oral LD50 - Rat:** Not available

**Dermal LD50 - Rabbit:** Not available

**Inhalation LD50 - Rat:** Not available

**Skin Corrosion/Irritation:** Due to lack of data the classification is not possible.

**Serious Eye Damage/Eye Irritation:** Due to lack of data the classification is not possible.

**Respiratory or Skin Sensitization:** Due to lack of data the classification is not possible.

**Germ Cell Mutagenicity:** Due to lack of data the classification is not possible.

##### Carcinogenicity

**OSHA:** Ponazuril is not listed.

**NTP:** Ponazuril is not listed.

**IARC:** Ponazuril is not evaluated.

**Additional Carcinogenicity Information:** Not available

**California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**Reproductive Toxicity:** In developmental toxicity studies using rats, Ponazuril was administered during gestation by oral gavage at doses ranging from 10 to 300 mg/kg. At 300 mg/kg both developmental and maternal toxicity occurred. NOEL for maternal and developmental toxicity was 90 mg/kg. In developmental toxicity studies using rabbits, Ponazuril was administered during gestation by oral gavage at doses of 10, 30, or 90 mg/kg. The NOEL for maternal toxicity was 30 mg/kg and the NOEL for developmental toxicity was 90 mg/kg.

**Specific Target Organ Toxicity - Single Exposure:** Due to lack of data the classification is not possible.

**Specific Target Organ Toxicity - Repeated Exposure:** Due to lack of data the classification is not possible.

**Aspiration Hazards:** Due to lack of data the classification is not possible.



**Signs and Symptoms of Exposure:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

Section 12. Ecological Information

**Toxicity**

**EC50 - Daphnia magna:** 23.8 mg/L (48hr)

**LC50 - Fish:** 8.8 mg/L (96hr)

**IC50 - Algae:** Not available (72hr)

**Persistence and Degradability:** Not readily biodegradable.

**Bioaccumulative Potential:** Not available

**Mobility In Soil:** Insoluble in water.

**Other Adverse Effects:** Not available

This product is not intended to be released into the environment

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**United States & Canada**

**UN Proper Shipping Name:** Not dangerous good

**UN Number:** Not applicable

**Class:** Not applicable

**Packing Group:** Not applicable

**Australia**

**UN Proper Shipping Name:** Not dangerous good

**UN Number:** Not applicable

**Class:** Not applicable

**Packing Group:** Not applicable

**Hazchem:** Not applicable

**Environmental Hazards:** Not available

**Special Shipping Information:** Not applicable



Section 15. Regulatory Information

**CERCLA 40 CFR Part 302.4:** Not Listed  
**SARA (Title III) 40 CFR Part 372.65:** Not Listed  
**California Prop 65:** Not Listed  
**Right-to-know - New Jersey:** Not Listed  
**Right-to-know - Massachusetts:** Not Listed  
**Right-to-know - Pennsylvania:** Not Listed

**EPA 40 CFR Part 355**  
**Appendix A:** Not Listed  
**Appendix B:** Not Listed

**Australian Regulations**  
**Poisons and Therapeutic Goods Regulation:** Not Listed  
**Therapeutic Goods Act:** Not Listed  
**Code of Practices - Illicit Drug Precursors:** Not Listed

Section 16. Other Information

**Disclaimer:** 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.

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