

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 1: Identification**

**Product Name** NITROFURANTOIN USP MONOHYDRATE  
**Commercial Name** N/A  
**Product Use** N/A  
**Restrictions On Use** N/A

**Product Code** 30-5122

**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

**Section 2: Hazard(s) Identification**

**OSHA Haz Com:** N/A  
**CFR 1910.1200**

**Signal Word** WARNING

**Hazard Statement(s)** May cause skin irritation. May cause respiratory irritation. Eye irritant - may cause serious eye damage.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention** N/A  
**Response** N/A  
**Storage** N/A  
**Disposal** N/A

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

**Substance/Mixture** Substance  
**Components** Nitrofurantoin monohydrate  
**% By Weight** N/A  
**CAS#** 17140-81-7  
**Molecular Weight** 256.17  
**Chemical Formula** C<sub>8</sub>H<sub>8</sub>N<sub>4</sub>O<sub>6</sub>  
**Synonym(s)** 1-[(5-Nitro-furan-2-ylmethylene)-amino]-imidazolidine-2, 4-dione monohydrate

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Nitrofurantoin monohydrate	17140-81-7	N/A	N/A	N/A

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**Section 4: First-Aid Measures**

**Inhalation** Take to fresh Air. If breathing is difficult, administer oxygen. Get medical attention

**Skin Contact** Wash immediately with plenty of water for 15 minutes. Remove contaminated clothing. Seek medical attention if symptoms appear

**Eye Contact** Rinse immediately with plenty of water for 15 minutes. Check and remove any contact lenses. Seek medical attention if symptoms appear.

**Ingestion** Rinse mouth with water. Do not induce vomiting. Seek medical attention if symptoms appear. Provide MSDS and label information if possible

**Symptoms/Effects**

**Acute** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Delayed** N/A

**Immediate Medical Attention**

N/A

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Water spray, Water foam, Polymer foam carbon dioxide, dry chemical powder.

**Unsuitable Extinguishing Media**

N/A

**Products of Combustion**

carbon dioxide, Nitrogen, oxygen

**Firefighters Special Equipment and Precautions**

In case of fire, watch out for the formation of toxic smoke and gases. Wear self-contained respiration equipment. Prevent contact with skin and eyes.

**Section 6: Accidental Release Measures**

**PERSONAL PRECAUTIONS:** Wear chemical safety goggles, rubber boots and heavy rubber gloves. **ACCIDENTAL RELEASE MEASURES:** Avoid formation of dust, Sweep up spill and place in sealed container and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

**Section 7: Handling and Storage**

**HANDLING:** Use appropriate PPEs. Avoid contact with skin and eyes. **STORAGE:** Preserve in tight, light-resistant containers and stored at controlled room temperature, 20°C to 25°C; excursion permitted between 15°C and 30°C

**Section 8: Exposure Controls/Personal Protection**

**Exposure Limits** N/A

**Engineering Controls** Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits

**Personal Protection** **EYE/ FACE PROTECTION:** use proper PPEs. **SKIN PROTECTION:** Compatible gloves, protective coat or clothing. **BODY PROTECTION:** The type of protective equipment must be selected according to concentration and amount of dangerous substance at the specific work place

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**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	lemon-yellow , odorless crystals (or) fine powder		
<b>Odor</b>	N/A		
<b>Odor Threshold</b>	N/A		
<b>Melting Point</b>	N/A	<b>pH</b>	N/A
<b>Freezing Point</b>	N/A	<b>Vapor Pressure</b>	N/A
<b>Boiling Point/Range</b>	N/A	<b>Vapor Density</b>	N/A
<b>Decomposition temperature</b>	N/A	<b>Viscosity</b>	N/A
<b>Partition Coefficient: n-octanol/water</b>	N/A	<b>Evaporation Rate</b>	N/A
<b>Flash Point</b>	N/A	<b>Autoignition temperature</b>	N/A
<b>Flammability</b>	N/A	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	N/A
		<b>Upper</b>	N/A
<b>Solubility(ies)</b>	soluble in N, N-dimethylformamide		
<b>Other</b>	N/A		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Reactive with oxidizing agents.
<b>Chemical Stability</b>	Stable at ambient temperature
<b>Hazardous Polymerization</b>	N/A
<b>Conditions to Avoid</b>	N/A
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon, Hydrogen, oxygen

**Section 11: Toxicological Information****RTECS** N/A**Acute Toxicity**

May be harmful by inhalation, ingestion or skin absorption. To the best of our knowledge, the toxicological properties have not been thoroughly investigated

**Skin Corrosion/Irritation**

N/A

**Serious Eye Damage/Irritation**

N/A

**Respiratory or Skin Sensitization**

N/A

**Germ Cell Mutagenicity**

N/A

**Carcinogenicity**

N/A

**Reproductive Toxicity**

N/A

**Routes of Entry**

N/A

**Symptoms Related to Exposure**

N/A

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**Potential Health Effects**

N/A

**Target Organ(s)** N/A**Section 12: Ecological Information****Ecotoxicity**

N/A

**Persistence and Degradability**

N/A

**Bioaccumulative Potential**

N/A

**Mobility in Soil**

N/A

**Other Adverse Effects**

N/A

**Section 13: Disposal Considerations****Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations

**Disposal of Container**

N/A

**Other Considerations**

N/A

**Section 14: Transport Information****DOT Classification**

INTERNATIONAL TRANSPORT REGULATIONS: LAND- ROAD / RAILWAY: ADR /RID Class: Not controlled. SEA: IMDG Class: Not Controlled. AIR: IATA-DGR Class: Not controlled. SPECIAL PROVISIONS FOR TRANSPORT: Not Available

**Section 15: Regulatory Information****Regulations**

CLASSIFICATION AND LABELING: SYMBOL OF DANGER: Not Classified. R-PHRASES: N/A S-PHRASES: S24/25- Avoid contact with skin and eyes U.S FEDERAL REGULATIONS: Not Classified HCS CLASSIFICATION: Not Classified WHMIS (CANADA): Not Classified

**Other**

N/A

**Section 16: Other Information**

The above information is believed to be correct but does not purport to be complete and should be used only as guide. The burden of safe use of this material rests entirely with the user.