



Safety Data Sheet

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

Nitrofurazone USP

30-1638

Section 1: Identification

Product Name Nitrofurazone USP
Commercial Name Not available
Product Use Not available
Restrictions On Use Not available
Product Code 30-1638
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: Skin sensitization, Category 1 Acute Toxicity, Oral, Category 4
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed. May cause an allergic skin reaction.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	P261: Avoid breathing dust, fume, gas, mist, vapours, spray. P280: Wear protective gloves. P264: Wash thoroughly after handling.
Response	P302+P352: IF ON SKIN : Wash with plenty of soap and water. P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell. P333+P313: If skin irritation or rash occurs : Get medical advice.
Storage	Not available
Disposal	Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Nitrofurazone
% By Weight 100
CAS# 59-87-0
Molecular Weight 198.14 g/mole
Chemical Formula C₆H₆N₄O₄
Synonym(s) 2-[(5-Nitro-2-furanyl)methylene]hydrazinecarboxamide

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Nitrofurazone	59-87-0	100	Not available.	ORAL (LD50):Acute: 590mg/kg [Rat].249 mg/kg[Mouse].

Section 4: First-Aid Measures

Inhalation	Assure fresh air breathing. Allow the victim to rest.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Get medical advice. If skin irritation or rash occurs : Wash with plenty of soap and water. IF ON SKIN : Specific treatment (see on this label).
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	Obtain emergency medical attention. IF SWALLOWED : Rinse mouth. Immediately call a POISON CENTER or doctor. Specific treatment. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED : Do NOT induce vomiting. Rinse mouth.
Symptoms/Effects	
Acute	Swallowing a small quantity of this material will result in serious health hazard. May cause an allergic skin reaction.
Delayed	Swallowing a small quantity of this material will result in serious health hazard. May cause an allergic skin reaction.

Immediate Medical Attention

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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

Foam. Water spray. Dry powder. Carbon dioxide. Sand.

Unsuitable Extinguishing Media

Do not use a heavy water stream.

Products of Combustion

Under fire conditions, hazardous fumes will be present.

Firefighters Special Equipment and Precautions

Surrounding fires : Use water spray or fog for cooling exposed containers. Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection. Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: For emergency responders : Equip cleanup crew with proper protection. Ventilate area. For non-emergency personnel : Evacuate unnecessary personnel. Environmental precautions
Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. 6.3. Methods and material for containment and cleaning up
Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust.

Section 7: Handling and Storage

Handling : Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing dust, fume, gas, mist, vapours, spray. Technical protective measures : Provide good ventilation in process area to prevent formation of vapour. Conditions for safe storage, including any incompatibilities
Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Not available.
Personal Protection	• Respiratory protection : Where excessive vapour may result, wear approved mask. • Hand protection : In case of repeated or prolonged contact wear gloves. Wear protective gloves. • Eye protection : Chemical goggles or safety glasses. • Others : When using, do not eat, drink or smoke.

Section 9: Physical and Chemical Properties

Appearance	Yellow-brown Crystalline powder.		
Odor	Odourless		
Odor Threshold	Not available		
Melting Point	Not available.	pH	5 - 7
Freezing Point	Not available	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not available.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Very slightly soluble in water. Slightly soluble in ethanol 96%.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available.
Conditions to Avoid	Extremely high or low temperatures. Direct sunlight.
Incompatible Materials	Strong acids. Strong bases.
Hazardous Decomposition Products	Carbon monoxide. Fumes. Carbon dioxide.

Section 11: Toxicological Information
RTECS LT7700000

Acute Toxicity

Acute toxicity : Harmful if swallowed. • Inhalation : No data available. • Dermal : No data available. • Ingestion : Harmful if swallowed. - Rat oral LD50 [mg/kg] : 590

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

May cause an allergic skin reaction.

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Ingestion.

Symptoms Related to Exposure

Not available



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Potential Health Effects

Not available

Target Organ(s)

Not available.

Section 12: Ecological Information

Ecotoxicity

Not available.

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Avoid release to the environment.

Section 13: Disposal Considerations

Waste Disposal

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Nitrofurazone; California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Other



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WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).;DSCL (EEC) R22- Harmful if swallowed. R36/38- Irritating to eyes and skin. R43- May cause sensitization by skin contact.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

Not available.