



Safety Data Sheet

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

Piroxicam USP

50-1699

Section 1: Identification

Product Name Piroxicam USP
Commercial Name Not available.
Product Use Production of pharmaceuticals.
Restrictions On Use Not available.

Product Code 50-1699

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: Acute Toxicity Oral - Category 3 Specific target organ toxicity, repeated exposure - Category 2
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Toxic if swallowed. May cause damage to organs through prolonged or repeated exposure.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

| | |
|-------------------|--|
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | If swallowed: Immediately call a poison center/doctor. Rinse mouth. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. |
| Storage | Store locked up. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations |

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Piroxicam
% By Weight 100
CAS# 36322-90-4
Molecular Weight 331.4 g/mole
Chemical Formula C₁₅H₁₃N₃O₄S
Synonym(s) 4-Hydroxy-2-methyl-N-2-pyridinyl-2 -1,2-benzothiazine-3-carboxamide 1,1-dioxide

| Mixtures | | | | |
|-----------|------------|-------------|----------------|---|
| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
| Piroxicam | 36322-90-4 | 100 | Not available. | ORAL (LD50): Acute: 216 mg/kg [Rat]. 350 mg/kg [Mouse]. 108 mg/kg [Dog]. |

Section 4: First-Aid Measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin Contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye Contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Do not use mouth-to-mouth method if substance is ingested. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Symptoms/Effects

Acute Pharmacologically active material. Occupational exposure may cause physiological effects.

Delayed Pharmacologically active material. Occupational exposure may cause physiological effects.

Immediate Medical Attention

Provide general supportive measures and treat symptomatically. Treatment of nonsteroidal anti-inflammatory drug (NSAID) overdose may include the following: Induce vomiting (DO NOT use syrup of ipecac) or perform gastric lavage. Administer activated charcoal as a slurry. For gastrointestinal hemorrhage, monitor stool guaiac and administer antacids or sucralfate. For mild/moderate allergic reactions, administer antihistamines with or without inhaled beta agonists, corticosteroids, or epinephrine. For severe allergic reactions, administer oxygen, antihistamines, epinephrine, or corticosteroids. Nephritis or nephrotic syndrome, thrombocytopenia, or hemolytic anemia may respond to glucocorticoid administration. For severe acidosis, administer sodium bicarbonate. Administer as required: plasma volume expanders for severe hypotension; diazepam or other benzodiazepine for convulsions; vitamin K1 for hypoprothrombinemia; and/or dopamine plus dobutamine intravenously to prevent or reverse early indications of renal failure. Forced diuresis, alkalinization of urine, and hemoperfusion may not be useful.

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

Water. Foam. Dry chemical or CO₂. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media

Not available

Products of Combustion

No unusual fire or explosion hazards noted.

Firefighters Special Equipment and Precautions

Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers exposed to flames with water until well after the fire is out.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS Methods and materials for containment and cleaning up: For waste disposal, see section 13 of the SDS. Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential. **Storage:** Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Exposure Limits TWA 0.1 mg/m³

Engineering Controls

For laboratory operations, use local exhaust ventilation or a ventilated enclosure for high energy operations such as particle sizing. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

Personal Protection

Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available. Skin protection Hand protection: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Other: Train employees in proper gowning and degowning practices. Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Respiratory protection: Respirators are generally not required for laboratory operations. Use a tight-fitting full-face respirator with HEPA filters for spill cleanup. Chose respiratory protection appropriate to the task and the level of existing engineering controls. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Handling practices in this SDS are recommendations for laboratory use of reference standards. Procedures for any other uses or quantities should be determined after an appropriate assessment.

Section 9: Physical and Chemical Properties

| | | | |
|---|--|--|--------------------------|
| Appearance | White White. Off-white. powder. Solid | | |
| Odor | Odorless. | | |
| Odor Threshold | Not available. | | |
| Melting Point | 388.4 - 392 °F (198 - 200 °C) | pH | Not available. |
| Freezing Point | Not available. | Vapor Pressure | < 0.0000001 kPa at 25 °C |
| Boiling Point/Range | Not available. | Vapor Density | Not available. |
| Decomposition temperature | Not available. | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | 3.06 | 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. | | |
| Other | Organic solvents: Very slightly soluble. Dilute acids: Very slightly soluble. Alcohol: Slightly soluble. Chemical family Oxicam derivative; enolic acid. Molecular formula C ₁₅ H ₁₃ N ₃ O ₄ S Molecular weight 331.35 Percent volatile < 1 % at 100 °C | | |

Section 10: Stability and Reactivity

| | |
|---|--|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical Stability | Material is stable under normal conditions |
| Hazardous Polymerization | No dangerous reaction known under conditions of normal use. |
| Conditions to Avoid | Contact with incompatible materials |
| Incompatible Materials | Strong oxidizing agents |
| Hazardous Decomposition Products | NO _x , SO _x . Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. |

Section 11: Toxicological Information

| | |
|--|--|
| RTECS | DL0705000 |
| Acute Toxicity | Toxic if swallowed. Acute Dermal LD50 Rat > 5000 mg/kg Oral LD50 Mouse 360 mg/kg, 250 mg/kg Rat 270 mg/kg, 216 mg/kg |
| Skin Corrosion/Irritation | Not available. |
| Serious Eye Damage/Irritation | Not available. |
| Respiratory or Skin Sensitization | Not available. |
| Germ Cell Mutagenicity | Not available. |
| Carcinogenicity | Not available. |
| Reproductive Toxicity | Suspected of damaging fertility or the unborn child. |

Routes of Entry

Ingestion.

Symptoms Related to Exposure

For nonsteroidal anti-inflammatory drugs (NSAIDs): Gastrointestinal disturbances. Bleeding or bruising. Swelling. Ringing in ears. Confusion. Dizziness. Headache. Sweating. Bluish-colored skin. Trouble breathing. Fast heartbeat or palpitations.

Potential Health Effects

Not available.

Target Organ(s)

Causes damage to organs (cardiovascular system, gastrointestinal tract) through prolonged or repeated exposure

Section 12: Ecological Information**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability

Not available.

Bioaccumulative Potential

Octanol/water partition coefficient log Kow 3.06

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Disposal of Container

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

UN number: UN2811 UN proper shipping name: Toxic solid, organic, n.o.s. (Piroxicam) Transport hazard class(es) Class 6.1
Subsidiary risk - Packing group III

Section 15: Regulatory Information**Regulations**

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. Superfund Amendments and Reauthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Hazard categories SARA 302 Extremely hazardous substance Not listed. YesSARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated.Safe Drinking Water Act (SDWA) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.



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Other

Not available.

Section 16: Other Information

List of relevant R phrases: R22: Harmful if swallowed. R33: Danger of cumulative effects. DISCLAIMER OF LIABILITY The information in this SDS was obtained from source which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. End of document