

**Safety Data Sheet**

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

Section 1: Identification**Product Name** Niacin USP (Nicotinic Acid)**Commercial Name** Niacin**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 30-1105**Company** PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300**Section 2: Hazard(s) Identification****OSHA Haz Com:** Serious eye damage/eye irritation Category 2A**CFR 1910.1200****Signal Word** WARNING**Hazard Statement(s)** Causes serious eye irritation. Harmful to aquatic life.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

Prevention	Wash thoroughly after handling. Wear eye protection/face protection.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	Not available.
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Niacin
% By Weight	100
CAS#	59-67-6
Molecular Weight	123.12 g/mole
Chemical Formula	C ₆ H ₅ NO ₂
Synonym(s)	Nicotinic Acid

Mixtures	CAS#	% by Weight	TLV/PEL	LC50/LD50
Niacin	59-67-6	100	Not available.	ORAL (LD50):Acute: 7000mg/kg [Rat].

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Section 4: First-Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
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.	

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

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. 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. 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	Not available.
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.

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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. Choose 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: 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 Crystalline powder. Crystals.Solid.		
Odor	Slight. Odorless		
Odor Threshold	Not availalbe.		
Melting Point	455 - 458.6 °F (235 - 237 °C)	pH	2.7 - 3.4 (saturated solution in wate
Freezing Point	455 - 458.6 °F (235 - 237 °C)	Vapor Pressure	< 10 hPa at 20 °C
Boiling Point/Range	Sublimes	Vapor Density	4.25 (air = 1)
Decomposition temperature	Not availalbe.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	0.36 -2.34 at 25 °C, pH 7	Evaporation Rate	Not availalbe.
Flash Point	Not available.	Autoignition temperature	1076 °F (580 °C)
Flammability	Not availalbe.	Flammability or Explosive Limits:	
		Lower	Not availalbe.
		Upper	Not availalbe.
Solubility(ies)	Boiling water: Freely soluble. Water: Sparingly soluble. Alkali hydroxides: Freely soluble.		
	Carbonates: Freely soluble. Ethanol: Sparingly soluble. Ether: Insoluble Propylene glycol: Soluble.		
Other	Not available.		

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 oxidizers. Strong acids. Strong bases. Sodium nitrite.
Hazardous Decomposition Products	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. NOx

Section 11: Toxicological Information**RTECS** QTO525000**Acute Toxicity**

Acute Dermal LD50 Rat > 2000 mg/kg Oral LD50 Rat 4500 mg/kg

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Causes serious eye irritation.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Causes serious eye irritation Ingestion Based on information from therapeutic use, this material may cause: Cardiovascular effects.

Symptoms Related to Exposure

Rash. Gastrointestinal disturbances. Skin redness. Shortness of breath. Sweating. Chills. Changes in heart rate. Dizziness. Fainting. Headache. Dry eyes. Dry skin. Yellow eyes and/or skin. Increased urination. Joint pain. Lower back or side pain. Muscle pain. Swelling of feet or lower legs. Fever. Tiredness. Insomnia. Weakness. Dark urine. Clay-colored stools. Visual disturbances

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Aquatic Acute Crustacea: EC50 Daphnia magna 77 mg/l, 48 hours Fish: LC50 Oncorhynchus mykiss 520 mg/l, 96 hours

Persistence and Degradability

Readily biodegradable

Bioaccumulative Potential

-2.34, at 25 °C, pH 7 0.36, (also reported as -2.34 at 25 °C, pH7)

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.

Disposal of Container

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Other Considerations

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14: Transport Information**DOT Classification**

DOT 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: No products were found.; 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

WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC).; DSCL (EEC) R38- Irritating to skin. R41- Risk of serious damage to eyes.; 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.