


Section 1: Identification

Common Name/Trade Name	4-AMINOPYRIDINE REAGENT	
Supplier Information	Letco Medical 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Fampridine, 4-Pyridylamine, 4-Pyridinamine	
Relevant Use(s) of Product	Laboratory Chemical	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, Oral (Category 2), Skin irritation (Category 2), Eye irritation (Category 2A), Specific target organ toxicity - single exposure (Category 3), Acute aquatic toxicity (Category 2)	
Signal Word	Danger	
Hazard Statement(s)	H300 Fatal if swallowed H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation H401 Toxic to aquatic life	
Pictogram(s)		
Precautionary Statement(s)	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.	
Hazards Not Otherwise Classified	Target Organ Effect, Highly toxic by ingestion, Irritant	
Ingredient(s) with Unknown Toxicity	No data Available	

Section 3: Composition/Information on Ingredients

Chemical Name	4-Pyridylamine
Common Name	4-Aminopyridine
CAS Number	504-24-5
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most Important Symptoms and Effects	Effects due to ingestion may include:, Dizziness, Unconsciousness, Headache, Coma

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising From the Substance/Mixture	Hazardous decomposition products formed under fire conditions. -Carbon oxides, nitrogen oxides (NOx)
Special PPE and/or Precautions for Firefighters	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Methods and Materials Used for Containment	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Cleanup Procedures	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection.
Conditions for Safe Storage	Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Contains no substances with occupational exposure limit values.
Appropriate Engineering Controls	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
PPE - Eye/Face Protection	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
PPE - Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
PPE - Body Protection	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
PPE - Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Form: Crystalline. Colour: Beige
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	Melting point/range: 155-158 Degrees Celsius (311-316 Degrees Fahrenheit) - lit.
Solubility	No data available
Initial Boiling Point and Boiling Range	273 Degrees Celsius (523 Degrees Fahrenheit) -lit.
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	log Pow: -0.76
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	No data available
Incompatible Materials	Strong oxidizing agents, Strong acids, Acid chlorides, Acid anhydrides.
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. -Carbon oxides, nitrogen oxides (NOx) Other decomposition products - No data available.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - rat _ 21 mg/kg
Acute Toxicity - Inhalation	LC50
Acute Toxicity - Dermal	LD50 no data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	no data available
Carcinogenicity IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Carcinogenicity ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Carcinogenicity NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Carcinogenicity OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	Inhalation - May cause respiratory irritation.
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Toxicity to fish LC50-Lepomis macrochirus (Bluegill) - 2.8 mg/l - 96.0 h, Toxicity to daphnia and other aquatic invertebrates EC50-Daphnia magna (Water flea) - 3.2 mg/l - 48 h.
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Waste Treatment Methods Packaging	Dispose of as unused product.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	2671
UN Proper Shipping Name	Aminopyridines
Transport Hazard Class(es)	6.1
Packaging Group	II
Environmental Hazards	Marine pollutant: No, Poison Inhalation Hazard: No.

Section 15: Regulatory Information

OSHA Hazards: Target Organ Effect, Highly toxic by ingestion, Irritant. SARA 302 Components: The following components are subject to reporting levels established by SARA Title III, Section 302: 4-Pyridylamine, CAS-NO. 504-24-5, Revision Date 2008-11-03. SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard. Massachusetts Right To Know Components: 4-Pyridylamine, CAS-No. 504-24-5, Revision Date 2008-11-03. Pennsylvania Right To Know Components: 4-Pyridylamine, CAS-No. 504-24-5, Revision Date 2008-11-03. New Jersey Right To Know Components: 4-Pyridylamine, CAS-No. 504-24-5, Revision Date 2008-11-03. California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Prepared By	Scarlotte Smith
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