

1 - Product and Company Information

ProductName 4-DEOXYPYRIDOXINE HYDROCHLORIDE CRYSTALLINE

2 - Hazards Identification

3 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I
4-DEOXYPYRIDOXINE HYDROCHLORIDECRYSTALLINE	148-51-6	205-714-8	None
Formula	C8H11NO2.CIH		
Molecular Weight	189.6 AMU		
Synonyms	4-Deoxypyridoxol hydrochloride * Desoxypyridoxime hydrochloride * NSC 3063 * 3-Pyridinemethanol, 5-hydroxy-4,6-dimethyl-, hydrochloride		

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear protective equipment.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

STORAGE

Store at -20°C

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Mechanical exhaust.

PERSONAL PROTECTIVE EQUIPMENT

Special Protective Measures: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

9 - Physical and Chemical Properties

Appearance		
Property	Value	At Temperature or Pressure
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	263.0 - 265.0 °C	
Flash Point	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapor Pressure	N/A	
Partition Coefficient	N/A	
Viscosity	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

10 - Stability and Reactivity

STABILITY

Stable: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTECS NUMBER: UT4800000

ACUTE TOXICITY

LD50

Intraperitoneal

Mouse

150 MG/KG

LD50

Oral

Chicken

1570 mg/kg

ROUTE OF EXPOSURE

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

CONDITIONS AGGRAVATED BY EXPOSURE

The toxicological properties have not been thoroughly investigated.

CHRONIC EXPOSURE - TERATOGEN

Species: Rat

Dose: 11500 UG/KG

Route of Application: Oral

Exposure Time: (1-20D PREG)

Result: Specific Developmental Abnormalities: Craniofacial (including nose and tongue), Specific Developmental

Abnormalities: Body wall, Specific Developmental Abnormalities: Musculoskeletal system.

Species: Rat UG/KG

Route of Application: Oral

Exposure Time: (1-20D PREG)

Result: Specific Developmental Abnormalities: Blood and

Developmental system (including spleen and marrow), Specific

Developmental Abnormalities: Endocrine system, Specific

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Species: Rat

Dose: 11500 UG/KG

Route of Application: Oral

Exposure Time: (1-20D PREG)

Result: Embryo or Fetal: Fetotoxicity (except death, e.g., stunted fetus), Specific Developmental Abnormalities:

Central nervous system, Effects on Fertility, Post-implantation mortality (e.g., dead and/or resorbed implants, Post-implant number of implants per total number of implants).

Species: Rat UG/KG

Route of Application: Oral

Exposure Time: (1-20D PREG)

Result: Specific Developmental Abnormalities: Blood and

Developmental system (including spleen and marrow), Specific

Developmental Abnormalities: Endocrine system, Specific

12 - Ecological Information

No data available.

13 - Disposal Considerations

SUBSTANCE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14 - Transport Information

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information

COUNTRY SPECIFIC INFORMATION

Germany

WGK:3

Self-Classification

16 - Other Information

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information contained in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms of sale.