

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 5,6-diaminopyridin-2(1H)-one
Formula: $C_5H_7N_3O$
Product Catalog Number: 61-10653
Company Identification:
Abosyn Chemicals Inc.
23 Business Park Drive
Branford, CT 06405, USA
Tel: (203) 683-8328 Fax: (888)-385-4734

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
138650-05-2	5,6-diaminopyridin-2(1H)-one	95%	N/A

Section 3 – Hazard Identification

Emergency overview: Hazard, Irritant

Adverse Effects: Adverse effects may include chapped lips; dry mucous membranes; mouth irritation; unusual thirst; scaly fingertips, palms, and soles; dry, itchy, or fragile skin, increased tendency to sunburn; increased sensitivity to pain or touch, weak nails; runny nose, nosebleeds, hair loss; bone or joint pain, painful or tight muscles; headaches; nausea; vomiting; night blindness; and depression or other mental disorders; Possible allergic reaction to material if inhaled, ingested or in contact with skin.

Overdose Effects: overdose can cause headache, vertigo, and vomiting.

Acute: Oral, Eye, skin, gastrointestinal and/or respiratory tract irritation.

Chronic: possible hypersensitization.

Medical conditions Aggravated by Exposure: Hypersensitivity to the material, impaired liver or kidney function, high blood lipids, pancreatitis, cardiovascular disease, hypervitaminosis A, and diabetes mellitus.

Cross Sensitivity: No data available.

Target Organs: No data available.

For additional information on toxicity, see Section 9.

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.

Skin Exposure: Immediately wash skin with soap and plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Eye Exposure: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

If swallowed: Never give anything by mouth to an unconscious person, rinse mouth with water, provided person is conscious. Seek medical advice. Remove and wash/dispose of contaminated clothing promptly.

Section 5 - Fire Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate water spray, alcohol-resistant foam.

Unusual fire and explosion hazards: Emits toxic fumes under fire conditions.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing if necessary.

Section 6 – Accidental Release Measures

Use personal protective equipment, mark out contaminated area with signs and prevent unauthorized access. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Do not let product enter drains. Pick up and arrange disposal without creating dust. Sweep up, shovel or absorb. Keep in suitable, closed containers for disposal. Wash spill site after pick-up complete. For disposal see section 13.

Section 7 – Handling/Storage

Handling: As a general rule, when handling, avoid contact with skin and eyes, avoid inhalation of dust, mists, and/or vapors associated with the material. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Wash thoroughly after handling.

Storage: Store in a cool, dark, dry and well-ventilated place.

Section 8 - Exposure Controls, Personal Protection

Industrial hygiene: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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.

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.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

Section 9 – Physical and Chemical Properties

Appearance: Purple solid

Odor: Practically odorless

Melting point: No data available

Boiling point: No data available

Flash point: No data available

Flammability: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Solubility: Soluble in methanol.

Other safety information: 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: Unknown

Incompatible materials: Unknown.

Hazardous decomposition products: Unknown. In the event of fire: see section 5

Section 11 – Toxicology Information

Oral Rat: LD50: No data available

Acute toxicity: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Carcinogenicity:

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.
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.
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: No data available

Aspiration hazard: No data available

Additional Information: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

Do not allow products to enter drinking water supplies, wastewater or soil.

Toxicity: No data available

Persistence and degradability: No data available

Bio-accumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: No data available

Section 13 - Disposal Information

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Additional Transport Information: Not found.

Section 15 - Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components:

5,6-diaminopyridin-2(1H)-one CAS-No.: 138650-05-2 Revision Date: 03/27/2018

New Jersey Right to Know Components:

5,6-diaminopyridin-2(1H)-one CAS-No.: 138650-05-2 Revision Date: 03/27/2018

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Additional Information

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 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. Abosyn Chemicals Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See invoice or packing slip for additional terms and conditions of sale.

MSDS Revision Date: 03/27/2018