# Safety Data Sheet

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

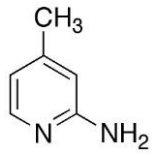
1.1 **Product Identifier**

**Chemical Name** 2-Amino-4-methylpyridine

**Catalogue #** A617470

1.2 **Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Uses** To be used only for scientific research and development. Not for use in humans or animals.




1.3 **Details of the Supplier of the Safety Data Sheet**

**Company** Will be updated as per company

1.4 **Emergency Telephone Number**

**Emergency#** Will be updated as per company

## 2. HAZARDS IDENTIFICATION

**2.1/2.2 Classification of the Substance or Mixture and Label Elements**

**GHS Hazards Classification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)**

Acute Toxicity, Dermal (Category 3)
Acute Toxicity, Inhalation (Category 3)
Acute Toxicity, Oral (Category 3)
Specific Target Organ Toxicity, Repeated Exposure (Category 2)

**GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)**

**Signal Word** Danger

**GHS Hazard Statements**

| | |
|---|---|
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H301 | Toxic if swallowed. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

**GHS Precautionary Statements**

| | |
|---|---|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P405 | Store locked up. |
| P302/P352 | IF ON SKIN: Wash with plenty of soap and water |
| P304/P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P301/P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |

**2.3 Unclassified Hazards/Hazards Not Otherwise Classified**

No data available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

**Molecular Formula:** $C_6H_8N_2$ **Molecular Weight:** 108.14

**CAS Registry #:** 695-34-1 **EC#:** 211-780-9

**Synonyms**

4-Methyl-2-pyridinamine; 2-Amino-4-picoline; Aminopicoline; Ascensil; NSC 1490; NSC 176165; NSC 6972; Rifaximin EP Impurity A;

### 3.2 Mixtures

Not a mixture.

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**General Advice**
If medical attention is required, show this safety data sheet to the doctor.

**If Inhaled**
If inhaled, move casualty to fresh air. If not breathing, give artificial respiration and consult a physician.

**In Case of Skin Contact**
Remove contaminated clothing and shoes. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In Case of Eye Contact**
**Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.**

**If Swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.

Self-protection of the first aider
Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.

### 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

No data available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special Hazards Arising from the Substance or Mixture

Carbon oxides, Nitrogen oxides

### 5.3 Advice for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary. Use personal protection equipment.

### 5.4 Further Information

No data available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Avoid contact with skin, eyes or clothing.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Method and materials for containment and cleaning up**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**7.1 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.

**7.2 Conditions for safe storage#**

Keep container tightly closed in a dry and well-ventilated place.
Keep in a dry place.

Storage conditions: 4°C

**7.3 Specific End Uses**

For scientific research and development only. Not for use in humans or animals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control Parameters**

Contains no components with established occupation exposure limits.

8.2 **Exposure Controls**

**Appropriate Engineering Controls**

A laboratory fumehood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

**Personal Protective Equipment**

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

**Eye/Face Protection**

Safety goggles or face shield. All equipment should have been tested and approved under appropriate standards, such as NIOSH (US), CSA (Canada), or EN 166 (EU).

**Skin Protection**

Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the outer surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

Gloves used for incidental exposures (splash protection) should be designated as "chemical resistant" by EU standard EN 374 with the resistance codes corresponding to the anticipated use of the material. Unrated gloves are not recommended.
Suggested gloves: AnsellPro Sol-Vex nitrile gloves style 37-175, 15 mil thickness.
Penetration time has not been determined.

Gloves used for prolonged direct exposure (immersion) should be designated "chemical resistant" as per EN 734 with the resistance codes corresponding to the anticipated use of the material.
Suggested gloves: AnsellPro Viton/Butyl gloves style 38-612, 4/8 mil thickness.
Penetration time has not been determined.

These recommendations may not apply if the material is mixed with any other chemical, or dissolved into a solution. A risk assessment must be performed to ensure the gloves will still offer acceptable protection.

**Body Protection**

Fire resistant (Nomex) coveralls or chemical-resistant bodysuit (laminated Tychem SL or equivalent).

**Respiratory Protection**

Recommended respirators are NIOSH-approved N100 or CEN-approved FFP3 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 **Information on Basic Physical and Chemical Properties**

**A) Appearance**
White to Off-White Solid

**B) Odour**
No data available

**C) Odour Threshold**
No data available

**D) pH**
No data available

**E) Melting Point/Freezing Point**
98-100°C

**F) Initial Boiling Point/Boiling Range**
No data available

**G) Flash point**
118 °C (244 °F) - closed cup

**H) Evaporation Rate**
No data available

**I) Flammability (Solid/Gas)**
No data available

**J) Upper/Lower Flammability/Explosive Limits**
No data available

**K) Vapour Pressure**
No data available

**L) Vapour Density**
No data available

**M) Relative Density**
No data available

**N) Solubility**
Chloroform (Slightly), Methanol (Slightly)

**O) Partition Coefficient: n-octanol/water**
No data available

**P) Auto-Ignition Temperature**
No data available

**Q) Decomposition Temperature**
No data available

**R) Viscosity**
No data available

**S) Explosive Properties**
No data available

**T) Oxidizing Properties**
No data available

**9.2 Other Information**
no data available

## 10. STABILITY AND REACTIVITY

10.1 **Reactivity**
No data available.

10.2 **Chemical Stability**
Stable under recommended storage conditions.

10.3 **Possibility of Hazardous Reactions**
No data available.

10.4 **Conditions to Avoid**
Avoid moisture.

10.5 **Incompatible Materials**
Strong oxidizing agents, Strong acids, Acid chlorides, Acid anhydrides.

10.6 **Hazardous Decomposition Products**
**In the event of fire:** See section 5. **Other decomposition production:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Information on Toxicological Effects**

A) **Acute Toxicity**
**Oral LD50:** rat - 200 mg/kg
**Dermal LD50:** guinea pig - 500 mg/kg

B) **Skin Corrosion/Irritation**
No data available

C) **Serious Eye Damage/Irritation**
No data available

D) **Respiratory or Skin Sensitization**
No data available

E) **Germ Cell Mutagenicity**
No data available

F) **Carcinogenicity**
No data available

G) **Reproductive Toxicity/Teratogenicity**
No data available

H) **Single Target Organ Toxicity - Single Exposure**
No data available

I) **Single Target Organ Toxicity - Repeated Exposure**
No data available

J) **Aspiration Hazard**
No data available

K) **Potential Health Effects and Routes of Exposure**
**Inhalation**
Toxic if inhaled. May cause respiratory tract irritation.
**Ingestion**
Toxic if swallowed.

**Skin**

Toxic if absorbed through skin. May cause skin irritation.

**Eyes**

May cause eye irritation.

L) **Signs and Symptoms of Exposure**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.

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

M) **Additional Information**

RTECS: TJ5150000

## 12. ECOLOGICAL INFORMATION

12.1 **Toxicity**

No data available.

12.2 **Persistance and Degradability**

No data available.

12.3 **Bioaccumulative Potential**

No data available.

**12.4 Mobility in Soil**

No data available.

12.5 **Results of PBT and vPvB Assessment**

No data available.

12.6 **Other Adverse Effects**

No data available.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste Treatment Methods**

**A) Product**

Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

B) **Contaminated Packaging**

Dispose of as above.

C) **Other Considerations**

Product is not to be disposed of in sanitary sewers, storm sewers, or landfills.

## 14. TRANSPORT INFORMATION

14.1 **UN Number**

DOT (US): UN2811 IATA: UN2811 IMDG: UN2811 ADR/RID: UN2811

14.2 **UN Proper Shipping Name**

DOT (US)/IATA:

Toxic solid, organic, n.o.s. (2-Amino-4-methylpyridine)

IMDG/ARD/RID:

TOXIC SOLID, ORGANIC, N.O.S. (2-Amino-4-methylpyridine)

14.3 **Transport Hazard Class(es)**

DOT (US): 6.1 IATA: 6.1 IMDG: 6.1 ADR/RID: 6.1

14.4 **Packing Group**

DOT (US): II IATA: II IMDG: II ADR/RID: II

14.5 **Environmental Hazards**

DOT (US): None IATA: None IMDG: None ADR/RID: None

14.6 **Special Precautions for User**

None

## 15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of WHMIS (Canada), OSHA 1910.1200 (US), and EU Regulation EC No. 1907/2006 (European Union).

15.1 **Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**A) Canada**

**DSL/NDSL Status:** This product or a component of this product is registered on the Canadian DSL/NDSL.

**B) United States**

**TSCA Status:** This product or a component is listed on the US EPA TSCA.

**C) European Union**

**ECHA Status:** This product or a component is registered with the EU ECHA.

15.2 **Chemical Safety Assessment**

No data available

## 16. OTHER INFORMATION

16.1 **Revision History**

Original Publication Date: N/A

16.2 **List of Abbreviations**

| | |
|---|---|
| LD50 | Median lethal dose of a substance required to kill 50% of a test population. |
| LC50 | Medial lethal concentration of a substance required to kill 50% of a test population. |
| LDLo | Lowest known lethal dose |
| TDLo | Lowest known toxic dose |
| IARC | International Agency for Research on Cancer |
| NTP | National Toxicology Program |
| RTECS | Registry of Toxic Effects of Chemical Substances |

16.3 **Further Information**

 The above information is believed to be correct to the best of our knowledge, but is to be only used as a guide. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Please take all due care when handling this product.

**Disclaimer**

**The Final Document will be available at the time of consignment.**

**# Can vary as per company.**

**End of Safety Data Sheet**