

## **MATERIAL SAFETY DATA SHEET**

### **2-AMINO PYRIDINE** **(For Synthesis) (o-Amino pyridine)** **MSDS CAS: 504-29-0**

#### **Section 1: Chemical Product and Company Identification**

##### Section 1: Chemical Product

**Product Name: 2-AMINO PYRIDINE**

**CAS#: 504-29-0**

**Synonym: 2-Pyridylamine**

**Chemical Name: Not available.**

**Chemical Formula: C<sub>5</sub>H<sub>6</sub> N<sub>2</sub>**

**Brand : OXFORD**

##### Details Of The Supplier Of The Safety Data Sheet :

**Company identification: OXFORD LAB FINE CHEM LLP**  
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#### **Section 2: Composition and Information on Ingredients**

##### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	CAS-No.	EC-No.	Classification	Concentration
2-Pyridylamine	504-29-0	207-988-4	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H301 + H311, H315, H319, H335	<= 100 %

## Section 2: Composition and Information on Ingredients (Continued)

### Hazardous ingredients according to Directive 1999/45/EC

Component	CAS-No.	EC-No.	Classification	Concentration
2-Pyridylamine	504-29-0	207-988-4	T, R21 - R25 - R36/37/38	<= 100 %

## Section 3: Hazards Identification

### Classification of the substance or mixture

See Section 16.

### Label elements

#### Labelling according Regulation (EC) No 1272/2008

Signal word

Danger

#### Hazard statement(s)

H301 + H311

Toxic if swallowed or in contact with skin

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

#### Precautionary statement(s)

P261

Avoid breathing dust.

P280

Wear protective gloves/ protective clothing.

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.

P312

Call a POISON CENTER or doctor/ physician if you feel unwell.

Supplemental Hazard  
Statements

: none

Other hazards – none

## Section 4: First Aid Measures

### Description of first aid measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**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 a physician.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling and/or in section 11.

### **Indication of any immediate medical attention and special treatment needed**

no data available

## Section 5: Fire and Explosion Data

### **Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** no data available

## 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. For personal protection see section 8.

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

**Methods 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.

## 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 preventive fire protection.

**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

### **Control parameters**

Components with workplace control parameters

### **Exposure controls**

#### **Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### **Personal protective equipment**

#### **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).

## Section 8: Exposure Controls/Personal Protection (Continued)

**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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### **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:**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (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).

### **Control of environmental exposure**

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

## Section 9: Physical and Chemical Properties

**Appearance** : Form: Crystalline

**Odour** : no data available

**Color** : light yellow

**Odour Threshold** : no data available

**pH** : no data available

**Melting point/freezing point:** 54 - 58 °C - lit.

**Initial boiling point and boiling range:** 204 - 210 °C - lit.

**Flash point** : 92 °C - closed cup

**Evaporation rate** : no data available

**Flammability (solid, gas):** no data available

**Upper/lower flammability or explosive limits:** no data available

**Vapour pressure** : no data available

**Vapour density** : no data available

**Relative density** : no data available

## Section 9: Physical and Chemical Properties (Continued)

Water solubility : no data available  
Partition coefficient: n- octanol/water: no data available  
Auto ignition Temperature: no data available  
Decomposition temperature: no data available  
Viscosity : no data available  
Explosive properties: no data available.  
Oxidizing properties: no data available  
Other safety information: no data available

## Section 10: Stability and Reactivity Data

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

## Section 11: Toxicological Information

### Information on toxicological effects

Acute toxicity: LD50 Oral - rat - 200 mg/kg, LD50 Dermal - guinea pig - 500 mg/kg  
Skin corrosion/irritation: no data available  
Serious eye damage/eye irritation: no data available  
Respiratory or skin sensitization: no data available  
Germ cell mutagenicity: 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.  
Reproductive toxicity: no data available  
Specific target organ toxicity - single exposure: no data available  
Specific target organ toxicity - repeated exposure: no data available  
Aspiration hazard: no data available

## Section 12: Ecological Information

**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

## 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.

### Contaminated packaging

Dispose of as unused product.

## Section 14: Transport Information

### UN number

ADR/RID: 2671 IMDG: 2671 IATA: 2671

### UN proper shipping name

ADR/RID: AMINOPYRIDINES

IMDG: AMINOPYRIDINES (o-, m-, p-)

IATA: Aminopyridines

### Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

### Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

### Special precautions for user

no data available

## Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance or mixture  
no data available**

### Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## Section 16 - Additional Information

**Full text of H-Statements referred to under sections 2 and 3.**

Acute Tox.	Acute toxicity
Eye Irrit.	Eye irritation
H301	Toxic if swallowed.
H301	+ H311 Toxic if swallowed or in contact with skin
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

**Full text of R-phrases referred to under sections 2 and 3**

T Toxic
R21 Harmful in contact with skin.
R25 Toxic if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.



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