



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**  
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2-Amino-5-chloropyridine, 98%

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

2-Amino-5-chloropyridine, 98%

Catalog Numbers:

10341-0000, 10341-0250, 10341-1000, 10341-5000

Synonyms:

None Listed

Company Information:

LEONID CHEMICALS

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb

Ashokpuram School Road

Bangalore-560 022, Karnataka, INDIA

Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	1072-98-6
Chemical Name	:	2-Amino-5-chloropyridine
%	:	98%
EINECS#	:	214-020-4
Hazard Symbols	:	XI
Risk Phrases	:	22 36/37/38

### SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye:

Causes eye irritation.

Skin:

Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion:

Harmful if swallowed. May cause irritation of the digestive tract. May cause cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood).



Inhalation:

Causes respiratory tract irritation. May be harmful if inhaled.

Chronic:

Not available.

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#### SECTION 4 - FIRST AID MEASURES

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Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

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#### SECTION 5- FIRE FIGHTING MEASURES

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General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

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#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

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## SECTION 7 - HANDLING AND STORAGE

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### Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

### Storage:

Store in a cool, dry place. Store in a tightly closed container.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Personal Protective Equipment

#### Eyes:

Wear chemical goggles.

#### Skin:

Wear appropriate protective gloves to prevent skin exposure.

#### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

#### Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	:	Crystalline powder
Color	:	Beige
Odor	:	Information not available.
PH	:	6-7 @ 1 g/l aq.sol.
Vapor Pressure	:	Information not available.
Viscosity	:	Information not available.
Boiling Point	:	127 - 128 deg C @ 11.00mmHg
Freezing/Melting Point	:	134 - 138 deg C
Autoignition Temperature	:	> 700 deg C (> 1,292.00 deg F)

Flash Point	:	160 deg C ( 320.00 deg F)
Explosion Limits, lower	:	Information not available.
Explosion Limits, upper	:	Information not available.
Decomposition Temperature	:	Information not available.
Solubility in water	:	1 g/l @ 20°C
Specific Gravity/Density	:	Information not available.
Molecular Formula	:	C5H5ClN2
Molecular Weight	:	128.56

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#### SECTION 10 - STABILITY AND REACTIVITY

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Chemical Stability:  
Information not available.

Conditions to Avoid:  
Incompatible materials.

Incompatibilities with Other Materials:  
Strong oxidizing agents.

Hazardous Decomposition Products:  
Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization:  
Has not been reported.

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#### SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:  
CAS# 1072-98-6 unlisted.

LD50/LC50:  
No information available.

Carcinogenicity:  
2-Amino-5-chloropyridine -  
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
See actual entry in RTECS for complete information.

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#### SECTION 12 - ECOLOGICAL INFORMATION

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No information available.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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Dispose of in a manner consistent with federal, state, and local regulations.

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## SECTION 14 - TRANSPORT INFORMATION

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### IATA

No information available.

### IMO

No information available.

### RID/ADR

No information available.

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## SECTION 15 - REGULATORY INFORMATION

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European/International Regulations  
European Labeling in Accordance with EC Directives

### Hazard Symbols:

XI

### Risk Phrases:

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

### Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

### WGK (Water Danger/Protection)

CAS# 1072-98-6: No information available.

### United Kingdom Occupational Exposure Limits

No information available.

### United Kingdom Maximum Exposure Limits

No information available.

### Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 1072-98-6 is not listed on Canada's Ingredient Disclosure List.

### Exposure Limits

No information available.

### US FEDERAL

#### TSCA

CAS# 1072-98-6 is not listed on the TSCA inventory.

It is for research and development use only.

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## SECTION 16 - ADDITIONAL INFORMATION

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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

