

# MATERIAL SAFETY DATA SHEET

## 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>

## Composition and Information on Ingredients

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

Component	S.K.U	EC-No.	Classification	Concentration
2-Pyridylamine	GCS-5416	207-988-4	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H301 + H311, H315, H319, H335	<= 100 %

Hazardous ingredients according to Directive 1999/45/EC

Component	S.K.U	EC-No.	Classification	Concentration
2-Pyridylamine	GCS-5416	207-988-4	T, R21 - R25 - R36/37/38	<= 100 %

## 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

H315

H319

H335

cause respiratory irritation.

Toxic if swallowed or in contact with skin

Causes skin irritation.

Causes serious eye irritation.

May

**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 : none

Statements

Other hazards – none

**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

**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

## 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.

## 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.

## 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).

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.

## 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

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

## 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

## 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

## 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

## 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.

## Transformation Information

### UN number

ADR/RID: 2671 IMDG: 2671 IATA: 2671

UN proper  
shipping name  
ADR/RID:  
AMINOPYRIDINE  
S IMDG:  
AMINOPYRIDINE  
S (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

## 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

### 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.

## ***Disclaimer:***

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