

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

Product Code: 00160

Molecular Formula: $C_6H_8N_2$

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	:	Substance
Trade name	:	2-Amino 4-Methylpyridine 98% For Synthesis
EC-No.	:	211-780-9
CAS No	:	695-34-1
Synonyms	:	2-Amino-4-picoline

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company : Chemnovo Synthesis Pvt Ltd.
N-226 Near Kumbhavali Naka
Tarapur MIDC, Boisar-401 506
Palghar, Maharashtra
Telephone : +91 7400096089
Email: export@chemnovo.in

1.4. Emergency telephone number

Emergency number : + 91 7400096089 (9:00am - 6:00 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 3	H301
Acute toxicity (dermal), Category 3	H311
Acute toxicity (inhal.), Category 3	H331
Specific target organ toxicity – Repeated exposure, Category 2	H373

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

T; R23/24/25
R33

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS06

GHS08

Signal word (CLP)	:	Danger
Hazard statements (CLP)	:	H301+H311+H331 – Toxic if swallowed, in contact with skin or if inhaled H373 – May cause damage to organs through prolonged or repeated exposure
Precautionary statements (CLP)	:	P261 – Avoid breathing vapours, dust, fume, gas P280 – Wear protective gloves, protective clothing, eye protection, face protection P301+P310 – IF SWALLOWED: Immediately call a doctor P311 – Call a doctor

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	:	2-Amino 4-Methylpyridine 98% For Synthesis
CAS-No.	:	695-34-1
EC-No.	:	211-780-9

Full text of R- and H-statements: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after ingestion	:	Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	:	Immediately call a POISON CENTER or doctor/physician. Wash with

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

plenty of soap and water. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : There are potential chronic health effects to consider.

Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.

Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use extinguishing media containing water

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighter

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required..

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

No additional information available

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1



SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in a well-ventilated place. Keep container tightly closed.
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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection	:	protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear respiratory protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	Colourless.
Odour	:	No data available
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	96 - 101 °C
Freezing point	:	No data available
Boiling point	:	230 °C
Flash point	:	118 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Log Pow	:	No data available
Viscosity, kinematic	:	No data available

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Moisture. Air contact. Overheating.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	May cause damage to organs through prolonged or repeated exposure.
Additional information	:	There are potential chronic health effects to consider
Aspiration hazard	:	Not classified
Potential adverse human health effects and symptoms	:	Toxic if swallowed. Toxic in contact with skin.

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal : Dispose of contents/container to ...

Ecology - waste materials : Hazardous waste due to toxicity.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

14.1. UN number

UN-No. (ADR) : 2811

UN-No. (IMDG) : 2811

UN-No.(IATA) : 2811

UN-No.(AND) : 2811

UN-No. (RID) : 2811

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TOXIC SOLID, ORGANIC, N.O.S.

Proper Shipping Name (IMDG) : TOXIC SOLID, ORGANIC, N.O.S.

Proper Shipping Name (IATA) : TOXIC SOLID, ORGANIC, N.O.S.

Proper Shipping Name (ADN) : TOXIC SOLID, ORGANIC, N.O.S.

Proper Shipping Name (RID) : TOXIC SOLID, ORGANIC, N.O.S.

Transport document description (ADR) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, II,(E)

Transport document description (IMDG) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, II

Transport document description (IATA) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, II

Transport document description (ADN) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, II

Transport document description (RID) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, II

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 6.1
Danger labels (ADR) : 6.1
:



IMDG

Transport hazard class(es) (IMDG) : 6.1
Danger labels (IMDG) : 6.1
:



IATA

Transport hazard class(es) (IATA) : 6.1
Hazard labels (IATA) : 6.1
:



AND

Transport hazard class(es) (ADN) : 6.1
Danger labels (ADN) : 6.1
:



RID

MATERIAL SAFETY DATA SHEET (SDS/MSDS)**2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS****CAS-No.: 695-34-1**

Transport hazard class(es) (RID) : 6.1
Danger labels (RID) : 6.1

**14.4. Packing group**

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

– Overland transport

Classification code (ADR) : T2
Special provision (ADR) : 274, 614
Limited quantities (ADR) : 500g
Excepted quantities (ADR) : E4
Packing instructions (ADR) : P002, IBC08
Special packing provisions (ADR) : B4
Mixed packing provisions (ADR) : Mp10
Portable tank and bulk container : T3

instructions (ADR)

Portable tank and bulk container special

provisions (ADR) : Tp33
Tank code (ADR) : SGAH, L4BH
Tank special provisions (ADR) : TU15, Te19
Vehicle for tank carriage : AT
Transport category (ADR) : 2

Special provisions for carriage – Packages (ADR) : V11

Special provisions for carriage – Loading, unloading and handling (ADR) : CV13, Cv28

Special provisions for carriage – Operation (ADR) : S9, S19

MATERIAL SAFETY DATA SHEET (SDS/MSDS)**2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS****CAS-No.: 695-34-1**

Hazard identification number	:	60		
(Kemler No.)				
Orange plates	:	<table><tr><td>60</td></tr><tr><td>2811</td></tr></table>	60	2811
60				
2811				
Tunnel restriction code (ADR)	:	D/E		
EAC code	:	2X		
- Transport by sea				
Special provision (IMDG)	:	274		
Limited quantities (IMDG)	:	500 g		
Excepted quantities (IMDG)	:	E4		
Packing instructions (IMDG)	:	P002		
IBC packing instructions (IMDG)	:	IBC08		
IBC special provisions (IMDG)	:	B2, B4		
Tank instructions (IMDG)	:	T3		
Tank special provisions (IMDG)	:	Tp33		
EmS-No. (Fire)	:	F-A		
EmS-No. (Spillage)	:	S-A		
Stowage category (IMDG)	:	B		
MFAG-No	:	154		
- Air transport				
PCA Excepted quantities (IATA)	:	E4		
PCA Limited quantities (IATA)	:	Y644		
PCA limited quantity max net quantity (IATA)	:	1kg		
PCA packing instructions (IATA)	:	669		
PCA max net quantity (IATA)	:	25kg		
CAO packing instructions (IATA)	:	676		
CAO max net quantity (IATA)	:	100kg		
Special provision (IATA)	:	A3, A5		
ERG code (IATA)	:	6L		
- Inland waterway transport				
Classification code (ADN)	:	T2		
Special provisions (ADN)	:	274, 614, 802		
Limited quantities (ADN)	:	500 g		
Excepted quantities (ADN)	:	E4		
Equipment required (ADN)	:	PP, EP		
Number of blue cones/lights (ADN)	:	2		
- Rail transport				
Classification code (RID)	:	T2		
Special provision (RID)	:	274, 614		

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

2-AMINO 4-METHYLPYRIDINE 98% FOR SYNTHESIS

CAS-No.: 695-34-1

Limited quantities (RID)	:	500g
Excepted quantities (RID)	:	E4
Packing instructions (RID)	:	P002, IBC08
Special packing provisions (RID)	:	B4
Mixed packing provisions (RID)	:	Mp10
Portable tank and bulk container instructions (RID)	:	T3
Portable tank and bulk container special provisions (RID)	:	Tp33
Tank codes for RID tanks (RID)	:	SGAH, L4BH
Special provisions for RID tanks (RID)	:	Tu15
Transport category (RID)	:	2
Special provisions for carriage – Packages (RID)	:	W11
Special provisions for carriage – Loading and unloading (RID)	:	CW13, CW28, Cw31
Colis express (express parcels) (RID)	:	Ce9
Hazard identification number (RID)	:	60

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

2-Amino 4-Methylpyridine 98% For Synthesis is not on the REACH Candidate List

2-Amino 4-Methylpyridine 98% For Synthesis is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal

Immission Control Act – 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

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Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R33	Danger of cumulative effects
T	Toxic

Further 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. Chemnovo Synthesis Pvt Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.chemnovo.in for additional terms and conditions of sale.

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