

# SAFETY DATA SHEET

*according to 1907/2006/EC, Article 3*

Version no. : 2.0  
Prepared on : 24.02.2026  
Revised on : --

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

### 1.1 Product identifiers

**Product name** 4-Amino-1-methylpiperidine  
**Product Number** PSR50246  
**Brand** PureSynth research chemicals  
**CAS No.** 41838-46-4

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

**Identified uses** : Laboratory Reagent

### 1.3 Details of the supplier of the safety data sheet

**Company** PureSynth Research Chemicals GmbH.  
64683 Einhausen Marie-Curie-StraBe. 3, Germany

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Flammable liquids, Category 3	H226
Skin corrosion, Sub-category 1B	H314
Serious eye damage, Category 1	H318

### 2.2 Label elements

**Pictogram**



**Signal word**

Danger

**Hazard statement(s)**

H226 Flammable liquid and vapour.  
H314 Causes severe skin burns and eye damage.

**Precautionary statement(s)**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting

properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
4-Amino-1-methylpiperidine	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub>	41838-46-4
Component	Classification	Concentration
4-Amino-1-methylpiperidine	-	>= 90 - <= 100

### SECTION 4: First aid measures

#### Description of first aid measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
<b>If inhaled</b>	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician.
<b>In case of skin contact</b>	Take off all contaminated clothing immediately. If on skin, rinse well with water. If skin irritation or rash occurs: Get medical advice/ attention.
<b>In case of eye contact</b>	Rinse with plenty of water. If easy to do, remove contact lens, if worn. Immediately call a POISON CENTER or doctor/ physician.
<b>If swallowed</b>	Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. Do NOT induce vomiting.
<b>Most important symptoms and effects, both acute and delayed</b>	No data available
<b>Indication of any immediate medical attention and special treatment needed</b>	No data available

### SECTION 5: Fire fighting measures

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry powder, Foam, Water spray, Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	No data available.
<b>Special hazards arising from the substance or mixture</b>	No data available.
<b>Advice for fire-fighters</b>	In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b>	Special protective equipment for firefighter: Use personal protective equipment. Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Remove undamaged containers from fire area if it is safe to do so.

### SECTION 6: Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear suitable protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
<b>Environmental precautions</b>	Prevent product from entering drains..
<b>Methods and materials for containment and cleaning up</b>	Collect as much of the spill as possible with a suitable absorbent material.
<b>Reference to other sections</b>	See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

<b>Precautions for safe handling</b>	<p>Technical measures: Prevent generation of vapour or mist. Take precautionary measures against static discharge. Use explosion-proof equipment.</p> <p>Local/Total ventilation: Ensure adequate ventilation. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Use a local exhaust ventilation.</p> <p>Advice on safe handling: Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not subject to grinding, shock or friction. Wash hands and face thoroughly after handling.</p>
<b>Conditions for safe storage, including any incompatibilities</b>	<p>Requirements for storage areas and containers: Keep container tightly closed. Store in a cool and shaded area. Keep in a well-ventilated place. Use explosion-proof equipment. Keep under inert gas. Store locked up</p> <p>Storage class (TRGS 510): 3</p>
<b>Specific end use(s)</b>	No data available

## SECTION 8: Exposure controls / Personal protection

<b>Control parameters</b>	Contains no substances with occupational exposure limit values.
<b>Appropriate engineering controls</b>	Install a closed system or local exhaust. Also install safety shower and eye bath.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Safety glasses, Safety goggles, Face-shield
<b>Skin protection</b>	Impervious protective clothing
<b>Body Protection</b>	Impervious protective clothing.
<b>Respiratory protection</b>	Gas mask Self-contained breathing apparatus
<b>Control of environmental exposure</b>	No data available.

## SECTION 9: Physical and chemical properties

<b>Appearance</b>	Form: liquid Colour: colourless - yellow
<b>Odour</b>	No data available
<b>pH - Value</b>	No data available
<b>Density</b>	No data available
<b>Boiling Point</b>	83 °C (64 hPa)
<b>Melting Point</b>	No data available
<b>Solubility in water</b>	No data available
<b>Flash point</b>	39 °C
<b>Vapour pressure</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Vapour density</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Partition coefficient: n- octanol / water</b>	No data available
<b>Viscosity</b>	Viscosity, dynamic : No data available Viscosity, kinematic : No data available
<b>Explosive properties</b>	No data available
<b>Upper / lower flammability or explosive limits</b>	No data available
<b>Oxidizing properties</b>	No data available

**Other safety information:** Refractive index: 1.47

### SECTION 10: Stability and reactivity

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reactions- None under normal processing.
<b>Condition to avoid</b>	Electrical spark, Open flame, Electrostatic discharge, Exposure to air.
<b>Incompatible materials</b>	Materials to avoid- Oxidizing agents, Strong acids,
<b>Hazardous decomposition products</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> )

### SECTION 11: Toxicological information

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	Causes burns.
<b>Serious eye damage/eye irritation</b>	Irreversible effects on the eye
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 12: Ecological information

<b>Toxicity</b>	No data available .
<b>Persistence and degradability</b>	No data available
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Endocrine disrupting properties</b>	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
<b>Other adverse effects</b>	No data available

### SECTION 13: Disposal considerations

<b>Waste treatment methods</b>	Disposal in accordance with local and national regulations. Take precautions against ignition or explode. Entrust disposal to a licensed waste disposal company.
<b>Products</b>	
<b>Contaminated packaging</b>	Disposal in accordance with local and national regulations. Before disposal of used container, remove contents completely.

#### SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>ADR / RID</b>	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	II	no
<b>IMDG</b>	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	II	no
<b>IATA</b>	2920	Corrosive liquid, flammable, n.o.s.	8	II	no

#### SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 40, 3.
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Water hazard class (Germany)	:	WGK 3 highly hazardous to water Classification according to AwSV, Annex 1 (5.2)

##### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

##### Chemical safety assessment:

A Chemical Safety Assessment is not required for this substance.

#### SECTION 16: Other information

The information in this SDS 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. The user must be determined suitability of this information for his application.