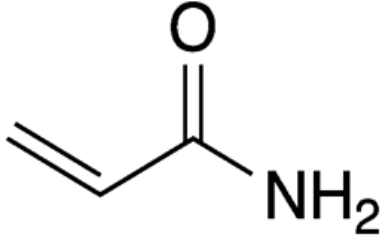


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## ACRYLAMIDE 50%



**IUPAC NAME:** prop-2-enamide

**CHEMICAL FORMULA:** C<sub>3</sub>H<sub>5</sub>NO, C=CC(=O)N

**CAS NO:** 79-06-1

**MOLECULAR WEIGHT:** 71.08 g/mol

**PACKING:**

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### PRODUCT DESCRIPTION:

Acrylamide is an organic compound and belongs to the class of amides. It is derived from acrylic acid, which is a key monomer used in the production of various polymers.

Acrylamide is most well-known for its use in the production of polyacrylamide, a type of polymer widely used in various industrial applications. Polyacrylamide is used as a flocculant in water treatment processes, as a thickening agent in cosmetic products and food processing, and as a component in various other products such as adhesives, coatings, and textiles.

### PROPERTIES:

- Polymerization
- Crosslinking Ability
- Water Solubility
- Versatility

### APPLICATION AREAS:

- Water Treatment
- Papermaking
- Soil Erosion Control

### IT IS APPLIED IN THE PRODUCTION OF:

- Polyacrylamides
- Adhesives and Binders
- Gel Electrophoresis
- Flocculants
- Textile and Paper Industries
- Personal Care Products



### CHEMICAL PROPERTIES


<b>PURITY</b>	%48-51
<b>ACID CONTENT</b>	
<b>MOISTURE AMOUNT</b>	
<b>COLOUR (APHA)</b>	
<b>INHIBITOR</b>	

### PHYSICAL PROPERTIES

<b>APPEARANCE</b>	Clear to slightly yellow liquid
<b>PHYSICAL STATE</b>	Liquid
<b>ODOR</b>	Odorless
<b>DENSITY</b>	1.08 g/cm <sup>3</sup>
<b>BOILING POINT</b>	100 °C
<b>FREEZING POINT</b>	15 °C (crystallization point)
<b>FLASH POINT</b>	138 °C- closed cup
<b>VISCOSITY</b>	2.71 cP at 25 °C
<b>VAPOR PRESSURE</b>	23 mm Hg at 25 °C



SAFETY INFORMATION

<b>HAZARD PICTOGRAM(S)</b>	
<b>HAZARD STATEMENT(S)</b>	<p>H301 Toxic if swallowed.</p> <p>H312 + H332 Harmful in contact with skin or if inhaled.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H340 May cause genetic defects.</p> <p>H350 May cause cancer.</p> <p>H361f Suspected of damaging fertility.</p> <p>H372 Causes damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.</p>
<b>PRECAUTIONARY STATEMENT(S)</b>	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P302 + P352 + P312 IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
<b>DISPOSAL</b>	<p><b>Waste from residues:</b> Whenever possible, send residues and unused product to the production process In case of contamination, polymerise the product and then send the polymer to landfill or incineration.</p> <p><b>Contaminated packing:</b> Completely drain containers and retain product residues. Rinse empty containers with water and use the rinse-water to prepare the working solution. Dispose of empty containers in accordance with regulations.</p>



**TRANSPORT  
INFORMATION**

**UN number:**

- ADR/RID: 3426
- IMDG: 3426
- IATA: 3426

**UN proper shipping name:**

- ADR/RID: Acrylamide, solution
- IMDG: Acrylamide, solution
- IATA: Acrylamide, solution

**Transport hazard class(es):**

- ADR/RID: 6.1
- IMDG: 6.1
- IATA: 6.1

**Packaging group:**

- ADR/RID: III
- IMDG: III
- IATA: III

**Environmental hazards:**

- ADR/RID: None
- IMDG Marine pollutant: None
- IATA: None

**For more information, check the SAFETY DATA SHEET or get contact with us.**