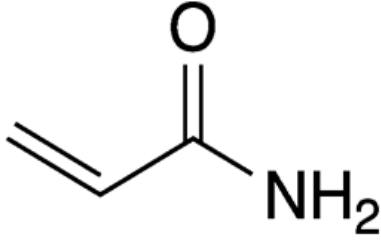

ACRYLAMIDE



IUPAC NAME: prop-2-enamide

CHEMICAL FORMULA: C₃H₅NO, C=CC(=O)N

CAS NO: 79-06-1

MOLECULAR WEIGHT: 71.08 g/mol

PACKING:

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


PURITY	≥ 99.0
ACID CONTENT	
MOISTURE AMOUNT	
COLOUR (APHA)	
INHIBITOR	

PHYSICAL PROPERTIES

APPEARANCE	Powder, white
PHYSICAL STATE	Solid
ODOR	Odorless
DENSITY	1.03 g/cm ³
BOILING POINT	241 ° C
FREEZING POINT	84-85 ° C
VAPOR PRESSURE	0.009 hPa at 20 °C



SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<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>
PRECAUTIONARY STATEMENT(S)	<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>
DISPOSAL	<p>Waste from residues: 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>Contaminated packing: 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.