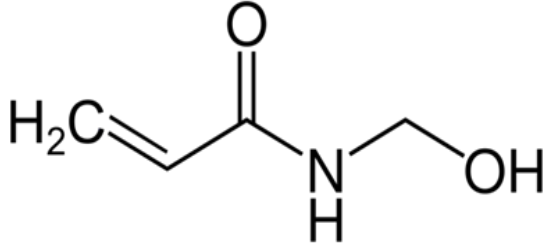


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**N-METHYLOL ACRYLAMIDE %48****IUPAC NAME:** N-(hydroxymethyl)prop-2-enamide**CHEMICAL FORMULA:** C<sub>4</sub>H<sub>7</sub>NO<sub>2</sub>, C=CC(=O)NCO**CAS NO:** 924-42-5**MOLECULAR WEIGHT:** 101.10 g/mol**PACKING:** IBC, 1000 KG**PRODUCT DESCRIPTION:**

N-Methylol Acrylamide (NMA) is a versatile and widely used chemical compound in various industries. It is a monomer that possesses unique crosslinking properties, making it valuable in different applications.. This versatile compound finds applications in the production of adhesives, coatings, and textiles, where its cross linking capabilities play a crucial role in improving product performance.

**PROPERTIES:**

- strong crosslink bonds in polymers
- resulting in enhanced adhesion
- mechanical strength
- durability of the final products

**APPLICATION AREAS:**

- Polymerization
- Adhesives and Binders
- Water Treatment
- Textile Industry
- Personal Care Products
- Crosslinking Agent

**IT IS APPLIED IN THE PRODUCTION OF:**

- Textile Industry
- Paper Industry
- Coatings and Paints
- Adhesives
- Personal Care and Cosmetics
- Polymer Industry



**CHEMICAL PROPERTIES**

<b>PURITY</b>	40-44%
<b>ACID CONTENT</b>	
<b>MOISTURE AMOUNT</b>	
<b>COLOUR (APHA)</b>	
<b>INHIBITOR</b>	

**PHYSICAL PROPERTIES**

<b>APPEARANCE</b>	Colorless or pale yellow
<b>PHYSICAL STATE</b>	Liquid
<b>BOILING POINT</b>	277 °C
<b>FREEZING POINT</b>	75 °C
<b>VAPOR PRESSURE</b>	0.03 Pa at 25 °C

**SAFETY INFORMATION**

<b>HAZARD PICTOGRAM(S)</b>	 
<b>HAZARD STATEMENT(S)</b>	<p>H301 Toxic if swallowed.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H340 May cause genetic defects.</p> <p>H350 May cause cancer.</p> <p>H361 Suspected of damaging fertility or the unborn child.</p> <p>H372 Causes damage to organs through prolonged or repeated exposure.</p> <p>H373 May cause damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.</p>
<b>RISK PHRASES</b>	<p>R20/21/22 - Also harmful by inhalation, in contact with skin and if swallowed. R43 - May cause sensitization by skin contact.</p> <p>R48/23/24/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.</p> <p>R45 - May cause cancer.</p> <p>R46 - May cause heritable genetic damage.</p>
<b>SAFETY PHRASES</b>	<p>S53 - Avoid exposure - obtain special instructions before use.</p> <p>S51 - Use only in well ventilated areas</p> <p>S36 - Wear suitable protective clothing</p> <p>S26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p>S44 - If you feel unwell, seek medical advice (show the label where possible).</p>
<b>PRECAUTIONARY STATEMENT(S)</b>	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P260 Do not breathe mist or vapors.</p> <p>P264 Wash skin thoroughly after handling.</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 IF ON SKIN: Wash with plenty of water.</p>
<b>STORAGE CLASS</b>	Storage class (TRGS 510): 6.1D: Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects
<b>STORAGE CONDITIONS</b>	<p>Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.</p> <p>Light sensitive.</p>
<b>DISPOSAL</b>	<p><b>Waste from residues I unused products:</b> Remove spilled material to biological treatment facilities. incineration is acceptable and the preferred method of disposal, however, nitrogen oxides emission controls may be required to meet environmental regulations.</p> <p><b>Contaminated packaging:</b> In accordance with local and national regulations.</p>
<b>TRANSPORT INFORMATION</b>	<p><b>UN number</b></p> <ul style="list-style-type: none"><li>• ADR/RID: 2810</li><li>• IMDG: 2810</li><li>• IATA: 2810</li></ul> <p><b>UN proper shipping name</b></p> <ul style="list-style-type: none"><li>• ADR/RID: TOXIC LIQUID, ORGANIC, N.O.S. (N-(Hydroxymethyl)acrylamide, acrylamide, formaldehyde)</li><li>• IMDG: TOXIC LIQUID, ORGANIC, N.O.S. (N-(Hydroxymethyl)acrylamide, acrylamide, formaldehyde)</li><li>• IATA: Toxic liquid, organic, n.o.s. (N-(Hydroxymethyl)acrylamide, acrylamide, formaldehyde)</li></ul> <p><b>Transport hazard class(es)</b></p> <ul style="list-style-type: none"><li>• ADR/RID: 6.1</li><li>• IMDG: 6.1</li><li>• IATA: 6.1</li></ul> <p><b>Packaging group</b></p> <ul style="list-style-type: none"><li>• ADR/RID: III</li><li>• IMDG: III</li><li>• IATA: III</li></ul> <p><b>Environmental hazards</b></p> <ul style="list-style-type: none"><li>• ADR/RID: no</li><li>• IMDG Marine pollutant: no</li></ul>



**AdaKem**<sup>®</sup>  
Kimya San. Ve Tic Ltd. Şti.

- IATA: no

**Special precautions for user**

Tunnel restriction code: (E)

Further information: No data available

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