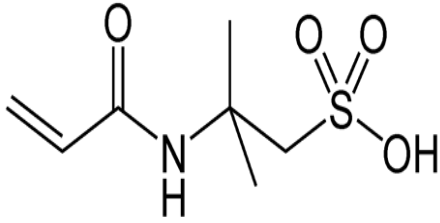


## ACRYLAMIDO – TERTIARY BUTYL SULFONIC ACID (AMPS)



**IUPAC NAME:** 2-Acrylamido-2-Methyl-1-Propanesulfonic Acid

**CHEMICAL FORMULA:** C<sub>7</sub>H<sub>13</sub>NO<sub>4</sub>S, CC(C)(CS(=O)(=O)O)NC(=O)C=C

**CAS NO:** 15214-89-8

**MOLECULAR WEIGHT:** 207.25 g/mol

**PACKING:**

### PRODUCT DESCRIPTION:

AMBS (2-Acrylamido-2-methylpropane sulfonic acid) is a versatile substance that is inherently hydrolytic and possesses properties such as thermal stability, hydrophilicity, polarity, and reactivity. Due to its high polymerizability, it can readily be copolymerized with other chemicals such as acrylonitrile, acrylic acid, acrylic esters, and acrylamide. AMBS's aqueous solution is acidic and soluble in dimethyl, partially soluble in methanol, but insoluble in acetone

### APPLICATION AREAS:

- The primary application of AMBS, when used at the highest purity level, is in the petroleum recovery industry. Other areas of application include:
- Water treatment
- Acrylic fibers
- Oilfields
- Latex and adhesives
- Emulsion coatings
- Personal care products
- Medical and construction applications.

### IT IS APPLIED IN THE PRODUCTION OF:


- Polymers
- Textiles
- Flocculants
- Dispersants
- scale control agents
- well-additives

**CHEMICAL PROPERTIES**

<b>PURITY</b>	%98 min
<b>ACID CONTENT</b>	
<b>MOISTURE AMOUNT</b>	
<b>COLOUR (APHA)</b>	
<b>INHIBITOR</b>	

**PHYSICAL PROPERTIES**

<b>APPEARANCE</b>	White crystal
<b>PHYSICAL STATE</b>	Solid
<b>DENSITY</b>	1.45
<b>FREEZING POINT</b>	195 °C
<b>FLASH POINT</b>	160 °C

SAFETY INFORMATION	
<b>HAZARD PICTOGRAM(S)</b>	
<b>HAZARD STATEMENT(S)</b>	<p>H302 + H332: Harmful if swallowed or if inhaled.</p> <p>H318: Causes serious eye damage.</p> <p>H335: May cause respiratory irritation.</p>
<b>PRECAUTIONARY STATEMENT(S)</b>	<p>P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.</p> <p>P264: Wash skin thoroughly after handling.</p> <p>P280: Wear eye protection/ face protection.</p> <p>P301 + P312: IF SWALLOWED: 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>STORAGE CLASS</b>	Storage class: 12- Non-combustible liquids
<b>STORAGE CONDITIONS</b>	<p>Storage conditions: Tightly closed. Dry. hygroscopic Heat sensitive. Handle under inert gas. Protect from moisture.</p> <p>Recommended storage temperature: 5-30° C</p>
<b>DISPOSAL</b>	<p><b>European waste catalog:</b></p> <p>07 00 00: Wastes from organic chemical processes</p> <p>07 06 00: waste from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics</p> <p>07 06 08: other still bottoms and reaction residues</p>
<b>TRANSPORT INFORMATION</b>	<b>Land transport ADR/RID (cross-border):</b>



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ADR/RID class: No hazardous good according to the regulation.

**Maritime transport IMDG:**

IMDG Class: No hazardous good according to the regulation.

**Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA Class: No hazardous good according to the regulation.

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