
Technical Information

Lutropur[®] MSA

Aqueous Solution of Methane Sulfonic Acid.

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® = Registered trademark of BASF in many countries.

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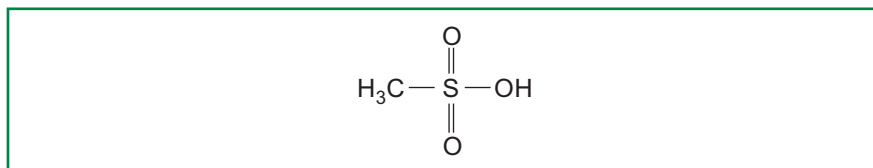
We create chemistry

Chemical nature Methanesulfonic acid in water

PRD-No.* 30096873

* BASF's commercial product numbers.

Structural formula



Molecular formula CH₃SO₃H

Molar mass (DIN 32625) 96.11 g/mol

Appearance Lutropur® MSA is a clear, colorless, odorless liquid.

Handling and Storage

Handling

- Lutropur® MSA should be stored indoors in a dry place. Storage rooms must not be overheated.
- Lutropur® MSA is hygroscopic due to its good solubility in water, with the result that it may absorb moisture very quickly. Drums must be resealed each time they are opened.
- Please refer to the latest Safety Data Sheet for detailed information on product safety.

Shelf life

Lutropur® MSA has a shelf life of at least 48 months in its sealed original packaging, provided it is stored properly.

Materials

Please refer to the Material Recommendation List. For further information or queries, please contact your BASF representative.

Properties

Some physical properties are listed in the table below. These are typical values only and not all of them are monitored on a regular basis. They are correct at the time of publication and do not necessarily form part of the product specification. A detailed product specification is available on request or via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Lutropur® MSA	Unit	Value
Physical form		Clear, colorless, odorless liquid
Concentration (BASF-method, potentiometric titration with NaOH)	g/100g	69.5 – 70.5
Sulfate content (BASF method, ion-chromatography)	mg/kg	≤ 50
Total chlorine content, incl. chloride (BASF method, coulometric)	mg/kg	< 5
Content of oxidizable components (BASF method, titration with KMnO ₄)	mg/kg	≤ 5
APHA colour (DIN EN 1557)		≤ 10
Density (DIN 51757, "V3", ASTM D 1298, 20 °C)	g/cm ³	1.349 – 1.358
Metal content (BASF-method, ICP-MS (Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sn, Ti, V, Zn, Zr))	mg/kg	≤ 1.0

Safety and Labelling

Please refer to the safety data sheet for information on classification & labelling, safe use, handling and transport.

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