

Technical information

METHANE SULFONIC ACID 70% in water (MSA 70)

Synonym:	Methane Sulfuric Acid	EINECS number:	200-898-6
CAS number:	75-75-2	Molecular Weight:	96.10
Formula:	CH ₃ SO ₃ H		
HTS number.:	29041000		

SPECIFICATION

Appearance	clear, colorless liquid
Purity (acidimetric)	70-71%
Cl	5 ppm max.
SO ₄	15 ppm max.
Fe	3 ppm max.
Pb	1 ppm max.
Na	1 ppm max.
Ca	1 ppm max.
Color on APHA scale	10 max.

PROPERTIES

Density @ 20 °C/ 4 °C	1.345 - 1.360 g/ml
Freezing point	- 60 °C

PACKAGING

250 kg UN-certified HMHDPE drums on pallets;

HEALTH & SAFETY, SHIPPING

Classification RID/ADR	class 8 / 34 c	C – Corrosive
UN nr	2586	
Codes / markings	R34	
	S26, 36, 45	



APPLICATIONS

- additive in electroplating baths, electropolishing, electrostripping, regeneration of ion exchange resins, recovery of lead
- catalyst in esterification, olefinic additions / alkylations, condensation reactions
advantages of using MSA, the esterification catalyst:
 - cost effectiveness through lowest mol weight
 - highest thermal stability yielding good color, low byproduct formation and purer end products
 - easy removal through complete water solubility** for detailed data on the benefits of MSA see our leaflet 'MSA, THE Catalyst for esterifications' (37355, 2 pages)*
- numerous uses of MSA are listed in our booklet 'MSA Properties / Uses' (23185, 3 pages)

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