



Specialized in chemicals

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Technical Data Sheet

Methanesulfonic acid

| | |
|------------------|----------------------------------|
| Chemical Name | Methanesulfonic acid(MSA) |
| CAS # | 75-75-2 |
| Formula | CH ₄ O ₃ S |
| Molecular Weight | 96.11 |
| Synonyms | SULFOMETHANE;MSA; |

Chemical Structure



Description

Colorless or slightly brown oily liquid, solid at low temperature. Melting point 20, boiling point 167 C (13.33kPa), 122 C (0.133kPa). Relative density of 1.4812 (18 degrees C), refractive index of 1.4317 (16 degrees C). Soluble in water, alcohol and ether, insoluble in alkane, benzene and toluene, decomposition of boiling water, hot alkali solution,it has strong corrosive effect on metals such as iron, copper and lead.

Specification

| Items | Specification | Results |
|-----------------|--------------------------------|----------|
| Characteristics | Colorless to brown oily liquid | Confirms |
| Assay, % | ≥99.0 | 99.60 |
| Chloride, ppm | ≤10.0 | <10.0 |
| Sulfate, ppm | ≤30.0 | <30.0 |
| Fe, ppm | ≤5.0 | 1.6 |
| Lead, ppm | ≤5.0 | 2.1 |
| Color, Hazan | ≤20.0 | <20.0 |

Applications

Used as solvent,catalyst of alkylation,esterification and polymerization etc.,99% MSA mainly used in pharmaceutical industry,while 70% MSA mainly used in electric plating and other electronic industry.

Packaging

250kgs per plastic drum
250kgs*80drums=20tons/20''FCL

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