

PRODUCT STEWARDSHIP SUMMARY

Methanesulfonic acid solution



Chemical Name:	Methanesulfonic acid
Synonyms:	Methylsulfonate; MSA
CAS Number:	75-75-2
CAS Name:	Methanesulphonic acid
EC (EINECS) Number:	200-898-6
Last Revision Date:	February 2019

- Methanesulfonic acid is used in various laboratory applications including as a catalyst in esterification, alkylation, and peroxidation reactions. This chemical also has industrial applications as an adhesive, sealant, and paint additive. Methanesulfonic acid is useful for plating metals (i.e., lead, nickel and zinc). In polymer manufacturing, it is utilized as a solvent and catalyst for the polymerization of monomers such as acrylonitrile.
- Exposure to methanesulfonic acid can occur in laboratories and industrial/manufacturing facilities where the chemical solution is handled. Workers risk exposure primarily through inhalation, skin and eye contact. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- Methanesulfonic acid solution (in water) is a colorless, odorless and nonflammable liquid. It is corrosive to metals. This product is stable under normal conditions but reacts with bases. Hazardous decomposition products such as carbon and sulfur oxides can be produced in a fire.
- Methanesulfonic acid is harmful if ingested or inhaled. It can be absorbed through the skin. It can cause serious respiratory irritation if inhaled. Severe injury can result from contact with eye and skin resulting in skin burns and serious, potentially irreversible eye damage. It does not cause allergic skin reactions.

- Methanesulfonic acid is not genotoxic based on genetic assays.
- Methanesulfonic acid is not considered to cause reproductive or developmental harm based on animal studies.
- Methanesulfonic acid is not considered a known or anticipated carcinogen by OSHA, NTP or IARC.
- Methanesulfonic acid may be harmful to aquatic life. This chemical is readily biodegradable.
- Please **contact us** for more information. Additional information may also be found at the following links:

TOXNET – Methanesulfonic Acid

PubChem – Methanesulfonic acid

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.