

Technical Data Sheet

SULFAMIC ACID

Chemical Name	Sulfamic Acid	CAS Number	5329-14-6
Chemical formula	H ₃ NSO ₃	EINECS Number	226-218-8
MW, g/mol	97.09	UN Number	2967

SUMMARY: Sulfamic acid is a white crystalline solid that is non-hygroscopic and stable. It is soluble in formamide and water, and slightly soluble in concentrated sulfuric acid, methanol, acetone, and ether. It is suitable for descaling applications and acid cleaning. One of the most common use of sulfamic acid is for descaling heating coils and heated vessels in the food handling premises owing to its ability to quickly dissolve hardness deposits without objectionable odors or fumes. Hence, sulfamic acid is considered the most popular, safe, preferred acid in various industries.

PHYSICAL - CHEMICAL CHARACTERISTICS

ITEM	UNIT	STANDARDS	TYPICAL
Purity	wt. %, min.	99.80	99.80
Appearance	-----	white crystals	white crystals
Sulfate [(SO ₄) ²⁻]	ppm, max.	150	100
Chloride [Cl ⁻]	ppm, max.	4.0	3.0
Iron [Fe]	ppm, max.	5.0	3.0
Heavy Metals [Pb]	ppm, max.	2.0	1.0
Moisture (H ₂ O)	wt. %, min.	0.04	0.030
Residue on Ignition (ROI)	wt. %, min.	0.01	0.008
Water soluble matter	wt. %, min.	0.01	0.008

MAIN USES

Sulfamic acid is used as an acidic cleaning agent and descaling agent sometimes pure or as a component of proprietary mixtures, typically for metals and ceramics. For cleaning purposes, there are different grades based on application such as GP Grade, SR Grade and TM Grade. As sulfamic acid is super-efficient agent for descaling, it is used for cleaning a number of domestic appliances and industrial equipment. It is used for cleaning heat exchangers, boilers, condensers, descaling toilets, jackets and coils, efflorescence other deposits of mineral deposits, removing excess grout on tiles, etc. It helps remove protein deposits, hard water scale, beer and milk stone, copper corrosion, and light rust.

STANDARD PACKAGING

Specification 25kg paper bags with internal value on pallets of 1.125kg.

WAREHOUSING AND STORAGE LIFE

The goods is kept in original package within storage life.

SPECIAL ADVISE FOR SECURITY

The product does not contain dangerous substances, nevertheless the product must be used and handled following the usual precautions for all chemical substances consulting the safety data sheet.