Zinc Sulfate Monohydrate

zinc(II) sulfate monohydrate | CAS 7446-19-7

Product identification

Product name	Zinc Sulfate Monohydrate
Chemical name	Zinc(II) sulfate monohydrate
CAS number	7446-19-7
EC number	616-096-8
PubChem CID	62639
Molecular formula	ZnSO4·H2O
Molecular weight	179.45 g/mol
InChIKey	RNZCSKGULNFAMC-UHFFFAOYSA-L
SMILES	O.[O-]S(=O)(=O)[O-].[Zn+2]
Material type	Analytical chemical / laboratory reagent

Material description

Zinc Sulfate Monohydrate is a hydrated inorganic zinc salt supplied by Rexar as an analytical chemical for laboratory and technical applications. It is typically encountered as a white crystalline solid or powder and is soluble in water.

Intended use

For laboratory, analytical, chemical, reagent-preparation, quality-control and research applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Hydrated inorganic zinc sulfate
Typical physical form	White crystalline powder or crystals
Water solubility	Soluble in water
Flammability	Non-combustible
Storage guidance	Keep tightly closed and dry. Prevent environmental release and store away from incompatible materials.

Analytical use and traceability

Lot-specific purity, assay, impurities, water content and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis.

Safety note

EU CLP classification for hydrous zinc sulfate includes Acute Tox. 4 (H302), Eye Dam. 1 (H318), Aquatic Acute 1 (H400) and Aquatic Chronic 1 (H410). Use appropriate laboratory protective equipment and prevent release to the environment.

Identity verification note

Identity verified against PubChem CID 62639 and EU CLP information: CAS 7446-19-7, ZnSO4·H2O, approximately 179.45 g/mol and InChIKey RNZCSKGULNFAMC-UHFFFAOYSA-L.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical or safety documentation.