

# Product Data Sheet

## (5N) 99.999% Ammonium Iron(II) Sulfate Hexahydrate

Product Code: FE2-AMSAT-05-P.6HYD

Formula:  $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$

CAS No.: 7783-85-9

EC No.: 233-151-8

MDL: MFCD00150530

### Chemical Identifiers

Linear Formula	$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
MDL Number	MFCD00150530
EC No.	233-151-8
Beilstein Registry No.	N/A
Pubchem CID	15942308
IUPAC Name	azane; hydrogen sulfate; iron(2+); hexahydrate
SMILES	<chem>[NH4+].[NH4+].O.O.O.O.O.O.[O-]S(=O)(=O)[O-].[O-]S(=O)(=O)[O-].[Fe+2]</chem>
InChI Identifier	InChI=1S/Fe.2H3N.2H2O4S.6H2O/c;;;2*1-5(2,3)4;;;;;h;2*1H3;2*(H2,1,2,3,4);6*1H2/q+2;;;;;;/p-2
InChI Key	MQLVWQSVRZVNIP-UHFFFAOYSA-L

Total Metal Impurities: 0.001% max.

### Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

**Documentation**

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.