



**Ferrous Ammonium Sulfate, Technical Grade**

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

Effective Date: 2/12/2002

M.W. = 392.14

CAS# 7783-85-9

**CHEMICAL ASSAY:**

Assay $\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ .....	98.5 - 101.5%
Iron(ferrous) weight % .....	14.0 - 14.4%
Nitrogen .....	7.0 - 7.2%

**Typical Properties:**

Copper .....	<0.003%
Manganese .....	<0.07%
Zinc .....	<0.05%
Ferric iron .....	<0.05%
Insoluble Matter .....	<0.05%
Phosphates .....	<0.0001%
pH (5% solution) .....	2.5-4.0

**PHYSICAL**

Description: Pale blue-green crystals which may contain yellow/brown particulates due to potential slow oxidation.

Bulk Density .....	60 lbs./cubic ft.
Main Particle Size Range .....	-8 +100 MESH

**TYPICAL USES:** Fertilizer supplement, Iron standard solutions, polymerization catalyst

**PACKAGING AND SHIPPING:** 375 lb. fiber drums or 100 lb. fiber drums

**FREIGHT CLASSIFICATIONS:**

Bulk Bag and Bulk DOT Description (> 1000 # Is in container):  
Environmentally hazardous substances, solid, n.o.s., 9, UN3077, III, RQ,  
(ferrous ammonium sulfate)

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