



DIMMITT SULFUR PRODUCTS

DIMMITT SULFUR PRODUCTS, LTD.

PO BOX 1008

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TECHNICAL BULLETIN PHOTOGRAPHIC GRADE AMMONIUM THIOSULFATE, 60% SOLUTION

IDENTIFICATION:

Name of product	Ammonium thiosulfate
Synonyms	Ammonium hyposulfite
Trade name	Thiovite®
Formula	$[\text{NH}_4]_2\text{S}_2\text{O}_3$
Molecular Weight	148.21
C.A.S. No.	7783-18-8

SHIPPING INFORMATION

DOT ID No.	Not applicable
DOT Classification	Not Regulated
Shipping Name	Ammonium thiosulfate solution
Containers	tank car, tank truck, drums

TYPICAL ANALYSIS

Appearance	Water white clear solution
Assay, %	58.0 – 60.0
pH	7.5 – 9.0
Specific Gravity	1.325 – 1.345
Density, lbs/gallon	11.05 – 11.22
Sulfites, %	0.7 max
Sulfides, %	2 ppm max
Alkalinity, %	0.3 – 1.5 max
Iron, as Fe	5 ppm max

MARKETS AND USES

- Photography
- Anti-chlorination
- Metal cleaning
- Oxygen scavenging for oilfield and water treatment
- Mining

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