

SAFETY DATA SHEET

Creation Date 02-Sep-1997

Revision Date 17-Jan-2018

Revision Number 3

1. Identification

Product Name Ferric Ammonium Sulfate Dodecahydrate (Certified ACS)

Cat No. : I75-3; I75-500

CAS-No 7783-83-7

Synonyms Ammonium ferric sulfate; Ferric ammonium sulfate

Recommended Use Laboratory chemicals.

Uses advised against Not for food, drug, pesticide or biocidal product use

Details of the supplier of the safety data sheet

Emergency Telephone Number

CHEMTREC-, Inside the USA: 800-424-9300

CHEMTREC-, Outside the USA: 001-703-527-3887

2. Hazard(s) identification

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

None required

Hazards not otherwise classified (HNOC)

None identified

3. Composition/Information on Ingredients

Component	CAS-No	Weight %
Iron (III) ammonium sulfate dodecahydrate	7783-83-7	> 99

4. First-aid measures

Eye Contact

Ri

8. Exposure controls / personal protection

Exposure Guidelines

Component

9. Physical and chemical properties

Physical State	Solid
Appearance	Purple
Odor	Odorless
Odor Threshold	No information available
pH	2.5 0.1M aq.sol
Melting Point/Range	39 - 41 °C / 102.2 - 105.8 °F
Boiling Point/Range	230 °C / 446 °F
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	1.710
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	H4 Fe N O8 S2 . 12 H2 O
Molecular Weight	482.19

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under recommended storage conditions.

Conditions to Avoid Avoid dust formation. Incompatible products. Exposure to light.

Incompatible Materials Strong oxidizing agents

Hazardous Decomposition Products Nitrogen oxides (NOx), Sulfur oxides, Ammonia, Heavy metal oxides

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information No acute toxicity information is available for this product

Component Information

Toxicologically Synergistic No information available

Products

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
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Mobility Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT Not regulated
TDG Not regulated
IATA Not regulated
IMDG/IMO Not regulated

15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Iron (III) ammonium sulfate dodecahydrate	-	-	-	-	-		X	-	X	X	-

Legend:
X - Listed

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade