

MALLINCKRODT INC SCIENCE PRODUCTS DIVISION -- FERROUS AMMONIUM SULFATE --  
6810-00-275-8143

===== Product Identification =====

Product ID:FERROUS AMMONIUM SULFATE

MSDS Date:08/06/1985

FSC:6810

NIIN:00-275-8143

MSDS Number: BDSJR

=== Responsible Party ===

Company Name:MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982

-5000

Emergency Phone Num:314-982-5000

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT INC., SCIENCE PRODUCTS DIV

Box:M

City:PARIS

State:KY

ZIP:40361-0315

Country:US

Phone:314-982-5000

CAGE:1BF21

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE.

Box:City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Phone:510-534-1186

OR 800-444-0015  
CAGE:3D869

=====  
Composition/Information on Ingredients  
=====

Ingred Name:AMMONIUM IRON (II) SULFATE HEXAHYDRATE (FERROUS AMMONIUM  
SULFATE, HEXAHYDRATE)

CAS:7783-85-9

RTECS #:BR6500000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

=====  
Hazards Identification  
=====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Explanation of Carcinogenicity:NO INGREDIE

NT OF A CONCENTRATION OF 0.1%

OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED: COUGHING, WHEEZING, SNEEZING,  
SHORTNESS OF BREATH. EYES: REDNESS, PAIN, TEARING, BLURRED VISION.  
SKIN: REDNESS, DISCOMFORT. INGESTED: NAUSEA, VOMITING, DIARRHEA,  
BLACK STOOL, PINK URINE.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS OR EYE PROBLEMS; OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY  
FUNCTION MAY BE MORE SUSCEPTI  
BLE TO THE EFFECTS OF THE SUBSTANCE.

=====  
First Aid Measures  
=====

First Aid:INHALED: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY  
BREATHING DIFFICULTY. EYES: FLUSH WITH LOTS OF WATER FOR 15  
MINUTES, HOLD LIDS OPEN. SEE DOCTO. SKIN: WASH WITH RUNNING WATER.  
SEE DOCTOR IF RASH DEVELOPS. INGESTED: IF CONSCIOUS,INDUCE  
VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

=====  
Fire Fighting Measures  
=====

Flash  
Point:NONE  
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
BUNKER GEAR.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:VENTILATE AREA OF LEAK OR SPILL. WEAR PROPER  
PROTECTIVE CLOTHING. PICK-UP AND PLACE IN A SUITABLE CONTAINER FOR  
RECLAMATION OR DISPOSAL. USE A PICK-UP METHOD WHICH MINIMIZES DUS

T

GENERATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====  
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY VENTILATED AREA.  
PROTECT FROM PHYSICAL DAMAGE. KEEP IN A TIGHTLY CLOSED CONTAINER.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

=====  
===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS  
FAIL OR NON-ROUTINE USE O

R EMERGENCY OCCURS; USE NIOSH/MSHA

APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS  
REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST IS RECOMMENDED TO MAINTAIN EXPOSURE BELOW  
PEL/TLV.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. CLOTHING  
TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,  
DRINKING, OR SMOKING.

LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS FM MFR DATED 06AUG85,CONFORMS TO OSHA HAZ COMM STD.

=====  
===== Physical/Chemical Properties =====

HCC:V1

Melt/Freeze Pt:M.P/F.P Text:>212F,>100C

Spec Gravity:1.86 (WATER=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:PALE BLUE-GREEN CRYSTALS

=====  
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NO INCOMPATIBILITY DATA FOUND.

St

ability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RQ (EPA)=1000 POUNDS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.