

FISHER SCIENTIFIC, CHEMICAL DIV. -- FERROUS AMMONIUM SULFATE HEXAHYDRATE --  
6810-00-275-8143

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

Product ID:FERROUS AMMONIUM SULFATE HEXAHYDRATE

MSDS Date:12/30/1992

FSC:6810

NIIN:00-275-8143

MSDS Number: BMDQC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201

-796-7100

Emergency Phone Num:201-796-7100 OR 201-796-7523

CAGE:1B464

=== Contractor Identification ===

Company Name:DYNATECH SCIENTIFIC INC

Address:1401 27TH ST

Box:640164

City:KENNER

State:LA

ZIP:70064

Country:US

Phone:504-465-9604

CAGE:0VL27

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:AMMONIUM IRON

(II) SULFATE HEXAHYDRATE  
CAS:7783-85-9  
RTECS #:BR6500000  
Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: INHALATION OF DUST MAY  
IRRITATE NOSE AND THROAT AND CAUSE DYSPNEA. SOLUBLE IRON SALTS MAY  
BE ABSORBED. SKIN: MAY CAUSE IRRITATION. EYES: DUST OR MIST MAY

IRRITATE THE EYES OR CAUSE BURNS . INGESTION: ABDOMINAL IRRITATION  
AND POSSIBLE CENTRAL NERVOUS SYSTEM DEPRESSION.

Effects of Overexposure:INHALATION: IRRITATION. SKIN: DERMATITIS AND  
IRRITATION. EYES: LATE EYE DEGENERATION HAS BEEN REPORTED IN  
RABBITS. INGESTION: ABDOMINAL PAIN, RETCHING AND PROLONGED  
VOMITING. DIARRHEA, INTENSE DEHYDRATION, SHOCK, PALLOR, COMA AND  
EVEN DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR  
IMMEDIATELY. ASSIST WITH BREATHING SUPPORT MEASURES IF NEEDED.  
SKIN: WASH AFFECTED AREA WITH SOAP OR MILD DETERGENT AND LARGE  
AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS. EYES:  
WASH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15-20 MIN.  
INGESTION: GIVE 2-4 GLASSES OF WATER. INDUCE VOMITING. GET MEDICAL  
ATTENTION IMMEDIATELY.

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

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.  
Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. DO  
NOT SCATTER SPILLED MATERIAL WITH MORE WATER THAN NEEDED FOR FIRE  
CONTROL. DIKE FIRE CONTROL WATER.  
Unusual Fire/Explosion Hazard:AVOID BREATHING HAZARDOUS VAPORS OR  
DUSTS, KEEP UPWIND.

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

Spill Release Procedures:NEUTRALIZE THE MATER

IAL. DIG HOLDING AREA FOR  
CONTAINMENT. USE PROTECTIVE COVER SUCH AS A PLASTIC SHEET TO  
PREVENT MATERIAL FROM DISSOLVING IN FIRE EXTINGUISHING WATER OR  
RAIN. STOP LEAD IF YOU CAN DO IT WITHOUT RISK. TAKE UP SMALL  
SPILLS WITH SAND.

Neutralizing Agent:NEUTRALIZE WITH AGRICULTURAL LIME, SLAKED LIME,  
CRUSHED LIMESTONE, OR NAHCO3.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions

:NONE

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

Respiratory Protection:USE A HIGH-EFFICIENCY PARTICULATE RESPIRATOR FOR  
HIGH LEVELS.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION AND/OR GENERAL DILUTION  
VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:MUST WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:APPROPRIATE PROTECTIVE CLOTHING AS NEEDED.

Work Hygienic Practices:WASH HANDS AFTER HA

NDLING THIS MATERIAL.

Supplemental Safety and Health

NONE

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

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Decomp Temp:Decomp Text:212F,100C

Spec Gravity:1.9

Solubility in Water:26.9%

Appearance and Odor:PALE BLUE-GREEN CRYSTALS OR CRYSTALLINE POWDER.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.

Stability Condi

on to Avoid:STABLE UNDER NORMAL TEMPERATURES AND PRESSURES, UP TO THE BOILING POINT (100C) WHERE DECOMPOSITION OCCURS.

Hazardous Decomposition Products:MAY RELEASE TOXIC FUMES OF AMMONIA AND TOXIC OXIDES OF NITROGEN. ALSO POSSIBLY SULFUR TRIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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.