

FISHER SCIENTIFIC CHEMICAL DIV -- AMMONIUM SULFATE -- 6810-01-448-7481

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

Product ID:AMMONIUM SULFATE

MSDS Date:07/03/1997

FSC:6810

NIIN:01-448-7481

MSDS Number: CFMXC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CHEMICAL DIV

Address:1 REAGENT LN

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100/201-796-7523

Emergency Phone Nu

m:201-796-7100/201-796-7523

CAGE:1B464

=== Contractor Identification ===

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 SULFATE (SOLUTION) (SARA 313)

CAS:7783-20-2

RTECS #:BS4500000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

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

=====

LD50 LC50 Mixture:ORAL LD50(RAT): 2840 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE CONTACT CAUSES IRRITATION. SKIN CONTACT MAY CAUSE IRRITATION. INGESTION CAUSES GASTROINTESTINAL IRRITATION. INHALATION MAY CAUSE ALLERGIC RESPIRATORY REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS. PROLONGED CONTACT MAY CAUSE PERMANENT EYE DAMAGE.

USE PERMANENT EYE DAMAGE.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, GI TRACT IRRITATION, NAUSEA, VOMITING, DIARRHEA, RESPIRATORY TRACT IRRITATION, ALLERGIC RESPIRATORY REACTION, DERMATITIS, EYE DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR IMMEDIATELY. GIVE CPR IF NEEDED. KEEP WARM & AT REST. SKIN: WASH W/SOAP/MILD DETERGENT & LARGE AMOUNTS OF WATER FOR 15-20 MINS. EYES: WASH IMMEDIATELY W/LARGE AMOUNTS OF WATER/NORMAL SALINE FOR 15-20 MINS. INGESTION: INDUCE VOMITING. IF CONSCIOUS & ALERT, GIVE 2-4 CUPS OF MILK OR WATER. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NOT GIVEN

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SWEEP UP & PLACE IN SUIT

ABLE CLEAN, DRY

CONTAINERS FOR RECLAMMATION/LATER DISPOSAL. DON'T FLUSH MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY. AVOID GENERATING DUSTY CONDITIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FORM INCOMPATIBLE SUBSTANCES. USE WITH ADEQUATE VENTILATION. DO NOT GET ON SKIN OR IN EYES.

Other Precautions:DO NOT INGEST OR INHALE.

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

Respiratory Protection:RESPIRATOR MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORK PLACE, MUST BE BASED ON SPECIFIC OPERATION & MUSTN'T EXCEED WORKING LIMITS OF THE RESPIRATOR & MUST BE JOINTLY APPROVED BY NIOSH/MSHA.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW PELS.

Protective Gloves:REQUIRED

Eye Protection:SPLASH-PROOF GOGGLES

Other Pro

ective Equipment:DUST-RESISTANT SAFETY GOGGLES, EMERGENCY EYE WASH, IMPERVIOUS CLOTHING.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:C3

Boiling Pt:B.P. Text:455F,235C

Melt/Freeze Pt:M.P/F.P Text:455F,235C

Decomp Temp:Decomp Text:455F

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.77

pH:5.5

Evaporation Rate &

amp; Reference:NEGLIGIBLE

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS GRANULAR CRYSTALS, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

POTASSIUM + AMMONIUM NITRATE, POTASSIUM CHLORATE, POTASSIUM NITRATE,
SODIUM/POTASSIUM ALLOY + AMMONIUM NITRATE.

Stability Condition to Avoid:STABLE AT ROOM TEMPERATURE IN CLOSED
CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS. AVOID HIGH
TEMPERATURES.

Hazardous Decomposition Products:OXIDES OF SULFUR, NITRIC OXIDE AND
AMMONIA FUMES.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the De

partment

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.