

20548 FERROUS AMMONIUM SULFATE STANDARD SOL

MSDS Number

BBFDY

National Stock Number

6810-00D001391

Product Name

20548 FERROUS AMMONIUM SULFATE STANDARD SOL

Manufacturer

HACH CO

Product Identification

Product ID:20548 FERROUS AMMONIUM SULFATE STANDARD SOL

MSDS Date:10/04/1991

FSC:6810

NIIN:00D001391

MSDS Number: BBFDY

Responsible Party

HACH CO.

5600 LINDBERGH DR.

AMES , IA 50010

US

Emergency Phone: 800-227-4224 OR 303-623-5716 SUPP.

Info Phone: 800-227-4224/303-669-3050

Cage: 91224

Contractor

HACH CO

389

LOVELAND, CO 80539

US

970-669-3050/ 303-623-5716

Cage: 91224

Ingredients

SULFURIC ACID (SARA III)

CAS: 7664-93-9

RTECS: WS5600000

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

CADMIUM (SARA III)

CAS: 7440-43-9

RTECS: EU9800000

Fraction By Weight:

OSHA PELSEE 1910.1027

ACGIH TLV: 0.01 MG/M3 DUST;9394

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

FERROUS AMMONIUM SULFATE

CAS: 7783-85-9

RTECS: BR6500000

Fraction By Weight:

OSHA PEL1 MG FE/M3

ACGIH TLV: 1 MG FE/M3

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: TO 100%

Hazards

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SULFURIC ACID IS CORROSIVE TO ALL BODY TISSUES, PRODUCING BURNS ON CONTACT. ITS TOXICITY IS DUE TO ITS CORROSIVITY. CHRONIC EXPOSURE TO LOW LEVEL FUMES OR MIST MAY CAUSE TOOTH EROSION AND/OR LUNG SCARRING.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS CADMIUM, LISTED BY IARC AND NTP A CARCINOGEN. SEE INDIVIDUAL REPORTS FOR DETAILS.

Effects of Overexposure:EYE: SEVERE IRRITATION,BURNS SKIN:SEVERE IRRITATION,BURNS. INHALED;IRRITATION,BURNS TO RESPIRATORY TRACT,COUGHING. INGESTED:G/I DISTRESS,BURNS. CHRONIC OVEREXPOSURE MAY RESULT IN IRON POISONING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT OR LIVER MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:D O NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

Fire Fighting

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Accidental Release

Spill Release Procedures:COVER WITH NEUTRALIZER. WIPE UP WITH CLOTH OR PAPER.

Neutralizing Agent:SODIUM BICARBONATE OR 50/50 LIME AND SODA ASH

Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN COOL DRY AREA.

Other Precautions:WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES ,SKIN, CLOTHING. DO NOT BREATHE CHEMICALS. OBSERVE INCOMPATIBILITIES.

Exposure Controls

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ACID MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:NOT NORMALLY REQUIRED. USE LAB HOOD OR OTHER LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, LAB COAT OR APRON TO PROTECT EXPOSED SKIN.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT IF POSSIBLE.

Supplemental Safety and Health
CHANGE NUMBER 8104

Chemical Properties

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:≈100.C, 212.F

Spec Gravity:1.038

pH:0.9

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIGHT GREEN LIQUID, NO ODOR

Stability

Stability Indicator/Materials to Avoid:YES

STRONG BASES

Stability Condition to Avoid:HEAT, LIGHT, EXPOSURE TO AIR

Hazardous Decomposition Products:OXIDES OF SULFUR AND HYDROGEN

Disposal

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS THAT DISPOSAL MAY BE DONE BY FLUSHING NEUTRALIZED MATERIAL TO DRAIN.

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