

MALLINCKRODT INC.,SCIENCE PRODUCT DIVISION -- ALUMINUM SULFATE -- 6810-00-686-5892

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

Product ID:ALUMINUM SULFATE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-686-5892

MSDS Number: BFLQN

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCT DIVISION

Emergency Phone Num:(314)982-5000

CAGE:62910

=== Contractor Identification ===

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

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

Ingred Name:ALUMINUM SULFATE (SARA III)

CAS:10043-01-3

RTECS #:BD1700000

Fraction by Wt: >99%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Effects of Overexposure:INH:IRRIT,COUGHING,BRTH

G PROBLEM;ING:ABDOMINL

PAIN,GASTR-INTESTNL UPSET;SKIN/EYES:IRRIT,REDNESS ETC.

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

First Aid:INHAL:RMV TO FRESH AIR.GET MD FOR BREATHG

DIFFICULTY;INGEST:IMMED INDUCE VOMIT BY GIVING 2 LG OF

WATER/MILK.NOTHING BY MOUTH IF UNCONSCIOUS.GET MD IMMED;SKIN:WASH

W/SOAP & WATER.GET MD IF IRRIT OCCURS ;EYES:FLUSH W/H*2O FOR 15

MIN.GET MED ATTN IMMED.

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

Extinguishing Media:EXTINGUISH W. AGENT SUITABLE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR CHEMICAL PROTECTIVE SUIT WITH SELF CONTD
BRTHG APP.
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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

Spill Release Procedures:USE APPROPRIATE PROTECTV EQUIP.SWEEP UP OR
VACUUM SPILLED MATL & PLACE IN A SUITABLE CONTNR FOR
DISPOSAL.NEUTRALIZE THE RESIDUE W/SODA ASH.THEN FLUSH AREA W/PLENTY
OF WATER.ADEQUATE VENTILATION IS REQ UIRED.

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

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTNRS AT
COOL,DRY,VENTILATED PLACE.PROTECT AGAINST PHY DAMAGE.
Other Precautions:AVOID BREATHING DUST.USE W/ADEQUATE VENTILATION.KEEP
CONTAINRS CLOSED.WASH THOROUGHLY AFTER HANDLING.AVOID SKIN,EYES &
CLOTHING CONTACT,BECOMES SLIPPERY WHEN ABSORBS MOISTURE.KEEP
CLOSED/DRY.

===== Exposure Controls/Pers
onal Protection =====

Respiratory Protection:SUPPLIED AIR RESPIR/SCBA; ESCAPE: GAS MASK
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:IMPERVIOUS
Eye Protection:GOGGLES/FACE SHIELD
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION
Supplemental Safety and Health
MSDS FM MFR DATED:8/13/85,CONFORMS TO OSHA HAZ COMM STD;ITEM IS TYPE
II,CALSS 3 OF O-A-429.

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

HCC:N1

Spec Gravity:1.61
Solubility in Water:APPRECIABLE
Appearance and Odor:WHITE GRANULAR POWDER,ODORLESS

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

Stability Indicator/Materials to Avoid:YES
ALKALIES,CORR MATL(H*2O REACTIV MATL SUCH AS OLEUM)
Hazardous Decomposition Products:TOXIC OXIDES OF SULFUR AT TEMP
>76C(1400F).

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

Waste Disposal Methods:LG QTY:SEND TO AN APPROVED WASTE FACILITY OR
RECOVER.SM

QTY:MAY BE DISSOLVED IN WATER,TREATED WITH SODA ASH TO
NEUTRALIZE & FLUSHED TO SEWER W/AMPLE WATER:ENSURE COMPLIANCE
W/LOCAL,STATE,& FED REGS;CW A/CERCLA RQ=5000 LBS.

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