

KOCH REFINING CO INC -- ALUMINUN SULFATE,SOLID -- 6810-00-281-7455

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Product Identification  
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Product ID:ALUMINUN SULFATE,SOLID  
MSDS Date:06/01/1990  
FSC:6810  
NIIN:00-281-7455  
MSDS Number: BKSMP  
=== Responsible Party ===  
Company Name:KOCH REFINING CO INC  
Address:HWY 52 AND HWY 55  
City:ROSEMOUNT  
State:MN  
ZIP:55068  
Country:US  
Preparer's Name:DGSC-SSH  
CAGE:3Y026

==== Contractor Identification

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Company Name:KOCH REFINING CO INC  
Address:HWY 52 AND HWY 55  
Box:City:ROSEMOUNT  
State:MN  
ZIP:55068  
Country:US  
Phone:612-437-0770  
CAGE:3Y026

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Composition/Information on Ingredients  
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Ingred Name:ALUMINUM SULFATE (SARA III)  
CAS:10043-01-3  
RTECS #:BD1700000  
Fraction by Wt: >99.0%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA III)  
CAS:7440-38-2  
RTECS #:CG0525000  
Fraction

by Wt: TRACE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 MG/M3 (AS)  
ACGIH TLV:0.01,A1 MG/M3; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 10.8 G/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF  
EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE  
HEADACHE,DIZZINESS,NAUSEA  
AND VOMITING. REDNESS OR BURNS OF  
EYES/SKIN POSSIBLE.CHRONIC:NO DATA AVAILABLE.  
Explanation of Carcinogenicity:PRODC ER MSDS  
Effects of Overexposure:MAY CAUSE IRRITATION OF EYES,SKIN,RESPIRATORY  
OR G.I.TRACTS;MAY CAUSE HEADACHE,DIZZINESS,NAUSEA,VOMITING OR GI  
TRACT DISTURBANCES POSSIBLE.BURNS OR REDNESS OF EYES.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF  
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures  
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First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE  
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

===== Fire Fighting M  
asures =====

Flash Point:NONE  
Extinguishing Media:USE SUITABLE MEDIA LIKE WATER FOG, CARBON DIOXIDE,  
FOAM,OR DRY CHEMICAL.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCB &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO CO NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:TOXIC VAPORS DUE TO EXTREME HEAT ABOVE  
1400F OR FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS  
DECOMPOSITIO PRODUCT

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;SWEE UP OR CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.  
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONG OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABO PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Pro

tective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. NOTE:

MSDS PREPARED BY DGSC-SSH FOR PURE CHEMICAL.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1400F,760C

Vapor Pres:NEGLIGIBLE

Spec Gravity:1.61

pH:3.5

Solubility in Water:APPRECIABLE(50%)

Appearance and Odor:WHITE OR CREAMY WHITE GRANULES OR POWDER,ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES, OLEUM,IRON AND ALUMINUM.

Stability Condition to A

void:HIGH TEMPERATURES

Hazardous Decomposition Products:OXIDES OF SULFUR AND OTHER  
UNIDENTIFIED COMPONENTS.

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE  
IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND  
REGULATIONS.

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