

DELTA CHEMICAL CORP -- ALUMINUM SULFATE, DRY -- 6810-00-686-5892

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

Product ID:ALUMINUM SULFATE, DRY

MSDS Date:07/01/1994

FSC:6810

NIIN:00-686-5892

MSDS Number: BPHMQ

=== Responsible Party ===

Company Name:DELTA CHEMICAL CORP

Address:2601 CANNERY AVE

City:BALTIMORE

State:MD

ZIP:21226-1510

Country:US

Info Phone Num:301-354-0100

Emergency Phone Num:301-354-0100/800-424-

9300(CHEMTREC)

CAGE:7A345

=== Contractor Identification ===

Company Name:DELTA CHEMICAL CORP

Address:2601 CANNERY AVE

Box:City:BALTIMORE

State:MD

ZIP:21226-1510

Country:US

Phone:301-354-0100/800-424-9300(CHEMTREC)

CAGE:7A345

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

Ingred Name:57ALUMINUM SULFATE

CAS:10043-01-3

RTECS #:BD1700000

Fraction by Wt: 57%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

==

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 6207MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:WETTED MATERIAL MAY BE

CORROSIVE(ACIDIC).EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INGEST:NAUSEA,VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.CONTACT PHYSICIAN.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEED

ED.INGEST:GET

PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,INDUCE VOMITING.

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

Flash Point:NONE

Extinguishing Media:WATER

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.SULFUR TRIOXIDE(A DECOMPOSITION PRODUCT) IS A FIRE HAZARD.

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

Spill Release Procedures:VENTILATE AREA.USE PROPER PROTECTIVE AND RESPIRATORY EQUIPMENT.SWEEP UP;SPRAY WITH WATER;NEUTRALIZE WITH SODA ASH OR LIME;USE ADEQUATE VENTILATION(CO*2 GAS IS EVOLVED DURING NEUTRALIZATION).CLEAN SPILL AREA WITH WATER.

Neutralizing Agent:SODA ASH OR LIME.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM MOI

STURE
AND INCOMPATIBLE MATERIALS.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING DUST.AVOID
SKIN AND EYE CONTACT.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR NUISSANCE
DUST.

Ventilation:USE LOCAL EXHAUST.

Protective Gloves:RUBBER OR VINYL

Eye Protection:DUST-PROOF GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,
AS NEEDED.PROVIDE A

LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS
PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health
NONE

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:221F,105C

Vapor Pres:NEGLIGIBLE

Spec Gravity:1.61

Solubility in Water:APPRECIABLE

Appearance and Odor:CRYSTALS;WHITE TO BROWN;ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ALKALIES,REACTIVE MATERIALS(EG.OLEUM) WILL RESULT IN HEAT.

Stability Condition to Avoid:TEMPERATURES ABOVE 1400F,MOISTURE.

Hazardous Decomposition Products:OXIDES OF SULFUR.

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

Waste Disposal Methods:DISSOLVE IN WATER;NEUTRALIZE WITH ALKALI;FLUSH
TO SEWER WITH EXCESS WATER.DISPOSE OF IN ACCORDANCE WITH
FEDERAL,STATE AND LOCAL 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.