

NALCO CHEMICAL COMANY -- SOLUTION S 0691 MO-2 -- 6850-01-154-3655

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

Product ID:SOLUTION S 0691 MO-2

MSDS Date:05/16/1996

FSC:6850

NIIN:01-154-3655

MSDS Number: CFYPN

=== Responsible Party ===

Company Name:NALCO CHEMICAL COMANY

Address:ONE NALCO CENTER

City:NAPERVILLE

State:IL

ZIP:60563-1198

Country:US

Info Phone Num:630-305-1000

Emergency Phone Num:630-920-1510/800

-I-M-ALERT/462-5372

Preparer's Name:WILLIAM S. UTLEY, PH.D.

CAGE:89524

=== Contractor Identification ===

Company Name:ONDEO NALCO COMPANY

Address:ONDEO NALCO CENTER

Box:City:NAPERVILLE

State:IL

ZIP:60563-1198

Country:US

Phone:(630) 305-1000

CAGE:89524

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETN

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

CAGE:0PGK2

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

Ingred Name:POTASSIUM PERSULFATE

C

AS:7727-21-1
RTECS #:SE0400000
Fraction by Wt: 20 - 40%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &
GI TRACTS. ACUTE- INHALATION OF DUST MAY CAUSE UPPER RESPIRATORY
TRACT IRRITATION. EYE CONTACT MAY CAUSE
SEVERE IRRITATION. SKIN
CONTACT CAN CAUSE SEVERE IRRITATION, ALLERGIC REACTION. MAY BE
HARMFUL IF INGESTED. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SEVERE IRRITATION, VISUAL DISTURBANCES, PAIN,
COUGHING
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

===== First Aid Measures =====
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF
SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK
PLENTY OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING
OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON.

===== Fire Fighting Measure
s =====

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. TOXIC GASES MAY BE PRESENT.
Unusual Fire/Explosion Hazard:MAY FORM SULFUR OXIDES.

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

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Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. SWEEP UP/VACUUM SPILL. CAREFULLY TRANSFER INTO A SEALABLE WASTE CONTAINER. MINIMIZE GENERATION OF DUST. REMOVE RESIDUE WITH WATER

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT GET IN EYES, ON SKIN, ON CLOTHING. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING. DO NOT BREATHE DUST.

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

Respiratory Protection:NONE SHOULD BE NEEDED. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR MASK.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:NEOPRENE OR NITRILE IS RECOMMENDED.

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective

Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF EXPOSURE.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN. THE PART NUMBER M0239 IS NOT HAZARDOUS AND IS NOT REGULATED.

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

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:212F,100C

pH:4.9

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:COMPLETE

Appearance and Odor:WHITE POWDER

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS (EG. RAGS, SAWDUST, HYDROCARBON OILS OR SOLVENT), REDUCING AGENTS(EG. HYDRAZINE, SULFITES, AL/MG DUST)

Stability Condition to Avoid:NONE

Hazardous D

ecomposition Products:OXIDES OF SULFUR MAY BE FORMED.

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

Waste Disposal Methods:CONTACT FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATORS FOR GUIDANCE REGARDING PROPER DISPOSAL. RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) HAZARDOUS WASTE NUMBER: D001. EMPTY PRODUCT CONTAINERS S HOULD BE PUNCTURED, IF PLASTIC, AND DISCARDED.

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