

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:630-920-1510/80

0-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:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

CAGE:0PGK2

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

Ingred Name:POTASSIUM PERSULFATE

CAS: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 =====

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 Measures =====

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 =====

=====

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 P

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 P

roperties =====

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

Decomposition 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 SHOULD BE PUNCTURED, IF PLASTIC, AND DISCARDED.

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.