

NALCO CHEMICAL COMANY -- 7330 MICROBIOCIDE -- 6840-01-256-7029

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

Product ID:7330 MICROBIOCIDE

MSDS Date:06/25/1992

FSC:6840

NIIN:01-256-7029

MSDS Number: BLHKK

=== Responsible Party ===

Company Name:NALCO CHEMICAL COMANY

Address:ONE NALCO CENTER

City:NAPERVILLE

State:IL

ZIP:60566-1024

Country:US

Info Phone Num:312-961-9500

Emergency Phone Num:312-920-1510(24 HOURS

)

Preparer's Name:RICKY A. STACKHOUSE

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

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

Ingred Name:5-CHLORO-2-METHYL-4-ISOTHIOAZOLIN-3-ONE

CAS:26172-55-4

RTECS #:NX8156850

Fraction by Wt: 1.15%

Other REC Limits:NONE SPECIFIED

Ingred Name:2-METHYL-4-ISOTHIAZOLIN-3-ONE

CAS:2682-20-4

Fra

ction by Wt: 0.35%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL ALBINO RAT) IS 3,810 MG/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-CORROSIVE TO EYE,SKIN & MUCOUS MEMBRANES.EYES:POSSIBLE PERMANENT DAMAGE.SKIN:MAY RESULT IN THIRD DEGREE BURNS.CAN CAUSE ALLERGIC DERMATITIS.CAN BE HARMFUL IF ABS

ORBED THROUGH SKIN.INGESTION:CAN BE FATAL.INHALATION:CORROSIVE CAN CAUSEAN ALLERGIC REACTION IN SUSCEPTIBLE INDIVIDUALS.CHRONIC-MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:CORROSIVE TO EYE,SKIN & MUCOUS MEMBRANES.MAY CAUSE THIRD DEGREE BURNS AND DERMATITIS.INHALATION OF THIS MATERIAL CAN CAUSE AN ALLERGIC REACTION IN SUSCEPTIBLE INDIVIDUALS.

Medical Cond A

ggravated by Exposure:A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY WORSENING OF EXISTING CONDITIONS.

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

First Aid:SEEK MEDICAL CARE IN ALL CASES.EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.SKIN:WASH THOROUGHLY WITH SOAP & WATER. INHALATION:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED.INGESTION:DO NOT INDUCE VO MITING.IF CONSCIOUS,DRINK PROMPTLY A LARGE QUANTITY OF MILK,EGG WHITES,GELATIN SOLUTION OR WATER.AVOID ALCOHOL.

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

Flash Point:NONE

Extinguishing Media:"NOT APPLICABLE"

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:MAY EVOLVE NOX, SOX OR HCL. DO NOT LET MATERIAL EVAPORATE TO DRYNESS.

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

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Spill Release Procedures:SMALL SPILLS:CONTAIN WITH ABSORBENT MATERIAL,SUCH AS CLAY,SOIL.SHOVEL INTO RECOVERY/SALVAGE DRUMS FOR DISPOSAL. LARGE SPILLS:VENTILATE AREA.WEAR PROTECTIVE EQUIPMENTS.DIKE & RECLAIM INTO SALVAGE/TANK TRUCK FOR DISPOSAL.REFER TO CERCLA IN SECTION 14.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY,WELL VENTILATED AREA.KEEP CONTAINER TIGHTLY CLOSED.

Other P

recautions:PESTICIDE WASTES ARE TOXIC. AVOID BREATHING VAPORS OR MIST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT REUSE EMPTY PLASTIC CONTAINERS. METAL CONTAINERS CAN BE RECONDITIONED. TRIPLE RINSE CONTAINERS.

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

Respiratory Protection:IFIT IS POSSIBLE TO GENERAATE SIGNIFICANT LEVELS OF VAPORS OR MISTS, A NIOSH APPROVED OR EQUIVALENT RESPIRATOR IS RECOMMENDED.

Ventilat

ion:GENERAL VENTILATION IS RECOMMENDED. LOCAL EXHAUST SHOULD BE USED WHERE VAPORS, MISTS OR AEROSOLS ARE RELEASED.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:IMPERVIOUS APRON, BOOTS, PANTS, HOOD AND JACKET. EYE-WASH FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER EACH USE. DO NOT EAT, DRINK,OR SMOKE WHILE WORKING WITH THIS MATERIAL.

Supplemental Safety and Health

NOTE TO PHYSICIAN: BASED ON THE

INDIVIDUAL REACTIONS OF THE PATIENTS,

THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITION. PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION AND CONVULSIONS MAY BE NEEDED.

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

HCC:T5

Melt/Freeze Pt:M.P/F.P Text:25.0F,-3.9C

Spec Gravity:1.03

pH:3 - 5

Solubility in Water:COMPLETE

Appearance and Odor:PALE Y

ELLOW TO GREEN LIQUID; MILD ODOR

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

Stability Indicator/Materials to Avoid: YES

NONE KNOWN

Stability Condition to Avoid: SUPPLIER DID NOT ADDRESS THIS FIELD.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN (NOX), OXIDES OF SULFUR (SOX) AND HCL MAY BE FORMED.

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

Waste Disposal Methods: UNDER RCRA ACT 40CFR 261, IT IS HAZARDOUS WASTE

D002 AND MUST BE SOLIDIFIED WITH STABILIZING AGENTS (SAND, FLY ASH) BEFORE DISPOSAL TO A LICENSED INDUSTRIAL WASTE LANDFILL. THE LIQUID WASTE CAN BE INCINERATED IN ACCORDANCE WITH LOCAL, STATE & FEDERAL LAWS.

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