



NALCO 2532 MICROBIOCID

MSDS Number

BBGFW

National Stock Number

6840-01-131-0332

Product Name

NALCO 2532 MICROBIOCID

Manufacturer

NALCO CHEMICAL COMANY

Product Identification

Product ID:NALCO 2532 MICROBIOCID

MSDS Date:12/11/1990

FSC:6840

NIIN:01-131-0332

MSDS Number: BBGFW

Responsible Party

NALCO CHEMICAL COMANY

ONE NALCO CENTER

NAPERVILLE , IL 60566-1024

US

Emergency Phone: 708-920-1510(24 HOURS)

Info Phone: 708-305-1000

Preparer: RICKY A.STACKHOUSE PHD.

Cage: 89524

Contractor

ONDEO NALCO COMPANY

NAPERVILLE, IL 60563-1198

US

(630) 305-1000

Cage: 89524

Ingredients

BIS (TRIBUTYLTIN) OXIDE

CAS: 56-35-9

RTECS: JN8750000

Fraction By Weight: 1-10%

OSHA PEL0.1 MG/M3 (SN)

ACGIH TLV: 0.1 MG/M3 (SN)

ALKYL QUATERNARY AMMONIUM HALIDES

CAS: 68391-01-5

Fraction By Weight: 10-20%

POTASSIUM HYDROXIDE (SARA III)



CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight: 1-10%

OSHA PELC, 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture: ORAL LD50 RATS = 840 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: EYE/SKIN: CORROSIVE POSSIBLE PERMANENT DAMAGE/BURNS DEPENDING ON THE LENGTH OF EXPOSURE & ON THE FIRST AID ACTION GIVEN, IRRITATION & SENSITIZATION. INGESTION: MAY BE HARMFUL. INHALATION: CAN CAUSE SEVERE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: NO SPECIFIC ANTIDOTE IS KNOWN. PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. BASED ON THE INDIVIDUAL REACTIONS OF THE PATIENT. THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS & CLINICAL CONDITION. MEASURES AGAINST CIRCULATORY SHOCK. RESPIRATORY DEPRESSION/CONVULSIONS.

First Aid

First Aid: EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. CALL PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. CALL PHYSICIAN. IF BREATHING HAS STOPPED, GIVE CARDIOPULMONARY RESUSCITATION (CPR). ADMINISTER OXYGEN. CALL PHYSICIAN. IF UNCONSCIOUS, HAVING TROUBLE BREATHING OR IN CONVULSIONS, DON'T VOMIT OR GIVE WATER. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE/WASH THE AFFECTED AREA.

Fire Fighting

Flash Point: NONE

Extinguishing Media: THIS PRODUCT WOULDN'T BE EXPECTED TO BURN UNLESS ALL THE WATER IS BOILED AWAY.

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: KEEP CONTAINER CLOSED WHEN NOT IN USE.

Accidental Release

Spill Release Procedures: SMALL SPILLS: CONTAIN W/ABSORBENT MATERIAL/SAW/CLAY/SOIL OR ANY COMMERCIALY AVAILABLE ABSORBENT. SHOVEL RECLAIMED LIQUID/ABSORBENT INTO RECOVERY OR SALVAGE DRUMS FOR DISPOSAL. LARGE SPILLS: DIKE TO PREVENT FURTHER MOVEMENT/RECLAIM INTO RECOVERY.

Handling

Handling and Storage Precautions: DON'T TAKE INTERNALLY. DON'T GET IN EYES, ON SKIN, OR ON CLOTHING. KEEP CONTAINER CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING.

Other Precautions: EMPTY CONTAINERS MAY CONTAIN RESIDUAL PRODUCT. DON'T REUSE CONTAINER UNLESS PROPERLY RECONDITIONED. DON'T BREATHING/SMOKE/FUMES. DISCARD CONTAMINATED SHOES/LEATHER ITEMS. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. HAZ WASTE: D002.

Exposure Controls

Respiratory Protection: IF IT'S POSSIBLE TO LEVELS OF VAPORS OR MISTS, NIOSH APPROVED OR EQUIVALENT RESPIRATOR IS RECOMMENDED. FOR LARGE SPILLS, ENTRY INTO LARGE TANKS, VESSELS, OR ENCLOSED SMALL SPACES W/INADEQUATE VENTILATION, PRESSURE-DEMAND/SCBA IS RECOMMENDED. Ventilation: MECHANICAL/LOCAL EXHAUST VENTILATION IS RECOMMENDED.



Protective Gloves: RUBBER
Eye Protection: FACE SHIELD, CHEMICAL GOGGLES.
Other Protective Equipment: EYEWASH FOUNTAIN, APRON, BOOTS, SAFETY SHOWER.
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
THIS PRODUCT CONTAINS POTASSIUM HYDROXIDE A REPORTABLE QUANTITY SUBSTANCE & IF 100,000 POUNDS OF PRODUCT ARE RELEASED, IT REQUIRES.

Chemical Properties

HCC: B3
Melt/Freeze Pt: -0.6°C , 31°F
Spec Gravity: 1.01
pH: 12.5
Solubility in Water: COMPLETE
Appearance and Odor: AMBER LIQUID WITH AN ALMOND ODOR.

Stability

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZERS, CHLORINE, PEROXIDES, CHROMATES, NITRIC ACID, PERCHLORATES, CONC. OXYGEN, PERMANGANATES.
Stability Condition to Avoid: HEAT, SPLATTERING OR BOILING, STRONG ACIDS, SULFURIC, PHOSPHORIC, NITRIC, HYDROCHLORIC, CHROMIC, SULFONIC.
Hazardous Decomposition Products: CO, CO₂, OXIDES OF NITROGEN, TOXIC FUMES.

Disposal

Waste Disposal Methods: DON'T DISCHARGE WASTES CONTAINING THIS PRODUCT INTO FISH BEARING WATERS. THIS PRODUCT IS TOXIC TO FISH. INCINERATE ABSORBENT MATERIAL OR DISPOSE OF AS SOLID WASTE. CAN BE INCINERATED IN ACCORDANCE W/ LOCAL, STATE & FEDERAL REGS. CORROSIVE LIQ/UN 1760.

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