

## **NALCO 2536 CORROSION INHIBITOR**

### **MSDS Number**

BBKGZ

### **National Stock Number**

6850-00F001977

### **Product Name**

NALCO 2536 CORROSION INHIBITOR

### **Manufacturer**

NALCO CHEMICAL COMPANY

### **Product Identification**

Product ID: NALCO 2536 CORROSION INHIBITOR

MSDS Date: 06/28/1989

FSC: 6850

NIIN: 00F001977

MSDS Number: BBKGZ

### **Responsible Party**

NALCO CHEMICAL COMPANY

ONE NALCO CENTER

NAPERVILLE, IL 60566

Emergency Phone: (312) 961-9500

Info Phone: (312) 961-9500

Preparer: JOHN J. KASPER

Cage: 89524

### **Contractor**

ONDEO NALCO COMPANY

NAPERVILLE, IL 60563-1198

US

(630) 305-1000

Cage: 89524

### **Ingredients**

SODIUM NITRITE (SARA III)

CAS: 7632-00-0

RTECS: RA1225000

Fraction By Weight: 1-5%

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

SODIUM TETRABORATE, ANHYDROUS

CAS: 1330-43-4

RTECS: VZ2240000

Fraction By Weight: 5-10%

OSHA PEL10 MG/M3

ACGIH TLV: 1 MG/M3; 9192

## Hazards

LD50 LC50 Mixture: ORAL RATS LD50 = 3,703 MG/KG  
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: YES OSHA: NO  
Health Hazards Acute and Chronic: SKIN/EYE: TRANSIENT IRRITATION, ALLERGIC, DERMATITIS. INGESTION: HARMFUL, METHAEMOGLOBINAEMIA, CYANOSIS, POSSIBLE DEATH, VISUAL DISTURBANCES, KIDNEY DAMAGE.  
INHALATION: CENTRAL NERVOUS SYSTEM EFFECTS, HEADACHES, TREMORS, DROWSINESS & CONVULSIONS.  
Explanation of Carcinogenicity: N-NITROSAMINES, MANY ARE CANCER CAUSING AGENTS TO LABORATORY ANIMALS.  
Effects of Overexposure: EXPERIMENTAL ANIMAL STUDIES W/ SODIUM NITRITE HAVE SHOWN REPRODUCTIVE EFFECTS IN THE OFFSPRING OF THE TREATED PARENTS. THESE EFFECTS ARE NON-TRANSMISSIBLE. TUMORIGENIC DATA IS EQUIVOCAL. MUTATION STUDIES IN BACTERIAL ASSAYS HAVE BEEN POSITIVE.  
Medical Condition Aggravated by Exposure: ALLERGIC, DERMATITIS

## First Aid

First Aid: SKIN: WASH W/ SOAP & WATER. EYES: FLUSH W/ LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINS & GET MED ATT. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE. INGESTION: INDUCE VOMITING IMMEDIATELY BY GIVING 2 GLASSES OF WATER/ STICKING FINGER DOWN THROAT. GET MED ATT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF UNCONSCIOUS, HAVING TROUBLE BREATHING/ CONVULSIONS, DON'T INDUCE VOMITING/ WATER.

## Fire Fighting

Flash Point: NONE  
Fire Fighting Procedures: NONE  
Unusual Fire/Explosion Hazard: MAY EVOLVE NOX UNDER FIRE CONDITIONS.

## Accidental Release

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

## Handling

Handling and Storage Precautions: AVOID CONTACT W/ EYES, SKIN & CLOTHING. DON'T TAKE INTERNALLY. DON'T BREATHE SMOKE OR FUMES. WEAR SUITABLE PROTECTIVE EQUIPMENT.  
Other Precautions: EMPTY CONTAINERS MAY CONTAIN RESIDUAL PRODUCT. DON'T REUSE CONTAINER UNLESS PROPERLY RECONDITIONED.

## Exposure Controls

Respiratory Protection: IF SIGNIFICANT VAPORS, MISTS OR AEROSOLS ARE GENERATED, WEAR NIOSH APPROVED OR EQUIVALENT RESPIRATOR.  
Ventilation: GENERAL VENTILATION IS RECOMMENDED  
Protective Gloves: IMPERVIOUS  
Eye Protection: CHEMICAL SPLASH GOGGLES  
Work Hygienic Practices: REMOVE/ WASH CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health

## Chemical Properties

Boiling Pt: B.P. Text: 200F  
Melt/Freeze Pt: M.P/F.P Text: 22F  
Spec Gravity: 1.13  
pH: 11.9  
Solubility in Water: COMPLETELY  
Appearance and Odor: BLUE/PURPLE; LIQUID; SLIGHTLY SWEET ODOR.

## Stability

Stability Indicator/ Materials to Avoid: YES  
STRONG ACIDS, SULFURIC, PHOSPHORIC, NITRIC, HYDROCHLORIC, CHROMIC,

SULFONIC

Stability Condition to Avoid:HEAT, SPLATTERING

Hazardous Decomposition Products:TOXIC FUMES, CO, CO2, NOX, SOX.

## Disposal

Waste Disposal Methods:AS NON-HAZARDOUS LIQUID WASTE, IT SHOULD BE SOLIDIFIED W/STABILIZING AGENT (SAND, FLY ASH, OR CEMENT) SO THAT NO FREE LIQUID REMAINS BEFORE DISPOSAL TO AN INDUSTRIAL WASTE LANDFILL.

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