

NALCO CHEMICAL COMANY -- NALCOOL 2000 COOLING TREATMENT -- 6850-01-086-3438

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Product Identification
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Product ID:NALCOOL 2000 COOLING TREATMENT

MSDS Date:07/03/1990

FSC:6850

NIIN:01-086-3438

MSDS Number: BKSWN

=== Responsible Party ===

Company Name:NALCO CHEMICAL COMANY

Address:ONE NALCO CENTER

City:NAPERVILLE

State:IL

ZIP:60566-1024

Country:US

Info Phone Num:708-961-9500

Emergency Phone

Num:708-920-1510(24 HOURS)

Preparer's Name:RICKY A. STACKHOUSE PHD

CAGE:89524

=== Contractor Identification ===

Company Name:CUMMINS ATLANTIC INC

Address:3900 DEEPWATER TERMINAL RD

Box:City:RICHMOND

State:VA

ZIP:23234-2225

Country:US

Phone:804-232-7891

CAGE:1F124

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

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Composition/Information on Ingredients
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Ingred Name:SODIU

M NITRITE (SARA III)
CAS:7632-00-0
RTECS #:RA1225000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SODIUM MERCAPTOBENZOTHIAZOLE
CAS:2492-26-4
Fraction by Wt: 1 - 5%
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM TETRABORATE (BORAX)
CAS:1330-43-4
RTECS #:VZ2275000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:1 MG/M3; 9394

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 3,362 MG/KG
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYE/SKIN:CAN CAUSE TRANSIENT
IRRITATION.INGESTION:CAN CAUSE KIDNEY DAMAGE.CAN BE HARMFUL.CAN
FORM METHEMOGLOBINEMIA LEADING TO CYANOSIS & POSSIBLE
DEATH.CHRONIC-INGESTION OF SMALL AMOUNTS CAUSES BLOOD PRESSURE TO
DROP,RAPID PULSE,HEADACHE,VISUAL DISTURBANCES,CNS EFFECTS(EG.
TREMOR,DROW
SINESS & CONVULSION).
Effects of Overexposure:SEE HEALTH HAZARDS SECTION. SODIUM
MERCAPTOBENZOTHIAZOLE IS SENSITIZER.
Medical Cond Aggravated by Exposure:PREGNANT WOMEN ARE PARTICULARLY
SENSITIVE TO METHEMOGLOBINEMIA.

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

First Aid:GET MEDICAL CARE.EYES/SKIN:FLUSH WITH WATER FOR 15
MINUTES.INHALATION:NOT GIVEN.MOVE TO FRESH AIR.INGESTION:IF
CONSCIOUS,DRINK WATER AND INDUCE VOMITING.CALL A PHYSICIAN AT
ONCE.NOT

E TO PHYSICIAN:NO S PECIFIC ANTIDOTE IS KNOWN.TREAT SYMPTOMATICALLY.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

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 EVOLV E NOX UNDER FIRE CONDITIONS.

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

Spill Release Procedures:SMALL LIQUID SPILLS:CONTAIN WITH ABSORBENT MATERIAL,SUCH AS CLAY,SOIL OR ANY COMMERCIALY AVAILABLE ABSORBENT.SHOVEL INTO DRUMS FOR DISPOSAL.LARGE LIQUID SPILLS:DIKE TO PREVENT FURTHER MOVEMENT AND TR ANSFER TO TANK TRUCK FOR DISPOSAL.

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

Handling and Storage Precautions:STORAGE-STORE IN TIGH TLY CLOSED

CONTAINERS AWAY FROM STRONG MINERAL ACIDS.

Other Precautions:AVOID CONTACT WITH EYES, SKIN OR CLOTHING.

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

Respiratory Protection:NONE NORMALLY REQUIRED. FOR LARGE SPILLS, ENTRY INTO LARGE TANKS, VESSELS OR ENCLOSED SMALL SPACES WITH INADEQUATE VENTILATION, A PRESSURE-DEMAND, SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:GENERAL VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES

Eye Prote

ction:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE FOUNTAIN AND SHOWER.

Work Hygienic Practices:IF CLOTHING IS CONTAMINATED,REMOVE CLOTHING AND THOROUGHLY WASH THE AFFECTED AREA.LAUNDER CONTAMINATED CLOTHING.

Supplemental Safety and Health

FORMULATION CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A SAME NSN.

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

HCC:B3

Boiling Pt:B.P. Text:212F,100C

Spec Gravity:1.13

pH:11.8

Solubility in Water:COMPLETE

Appearance and

Odor:RED LIQUID, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS

Stability Condition to Avoid:HIGH TEMPERATURES AND FLAMES

Hazardous Decomposition Products:OXIDES OF CARBON AND NITROGEN (CO,
CO₂, NOX). DO NOT BREATHE SMOKE OR FUMES. WEAR SUITABLE PROTECTIVE
EQUIPMENT.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL AP
PLICABLE

FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. IT IS A
NON-HAZARDOUS LIQUID WASTE. CAN BE DEEP-WELL INJECTED OR SOLIDIFIED
WITH SAND,FLY ASH OR CEMENT FOR DISPOSAL BY AN INDUSTRIAL WASTE
LANDFILL.

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