

NALCO LTD -- NALCO NALCOOL 2000 -- 6850-01-085-4718

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Product Identification
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Product ID:NALCO NALCOOL 2000

MSDS Date:10/06/1999

FSC:6850

NIIN:01-085-4718

Status Code:A

MSDS Number: CKZMQ

=== Responsible Party ===

Company Name:NALCO LTD

Address:WINNINGTON AVE.

Box:11

City:NORTHWICH, CHESHIRE CW8 4DX

Country:UK

Info Phone Num:01606 74488

Emergency Phone Num:(INTL)+44(0) 1865 407333

Prepar

er's Name:NOT PROVIDED

CAGE:U8210

=== Contractor Identification ===

Company Name:NALCO LTD

Address:WINNINGTON AVE.

Box:11

City:NORTHWICH, CHESHIRE CW8 4DX

Country:UK

Phone:01606 74488

CAGE:U8210

Company Name:NALFLEET INC

Address:195 MOUNTAIN AVE

Box:City:SPRINGFIELD

State:NJ

ZIP:07081-1755

Country:US

Phone:973-379 -1340

Contract Num:SP0450-01-M-D723

CAGE:95719

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Composition/Information on Ingredients
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Ingred Name:SODIUM NITRITE

CAS:7632-00-0

RTECS #:RA1225000

Minimum

% Wt:4.
Maxumum % Wt:6.
Other REC Limits:NOT PROVIDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 2,000 MG/KG
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE - INHALE: MAY CAUSE IRRITATION OF MUCOUS MEMBRANES. EYE/SKIN: CAN CAUSE MODERATE IRRITATION. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE GASTROINTESTINAL TRACT IRRITATION, NAUSEA, VOMITING. COMPONENTS OF THE PRODUCT CREATE FORMATION OF METHEMOGLOBIN. PREGNANT WOMEN ARE PARTICULARLY SENSITIVE TO METHEMOGLOBINEMIA. MAY CAUSE A DECREASE IN BLOOD PRESSURE AND CYANOSIS. CHRONIC - REPEATED INGESTION OF SMALL AMOUNTS OF SODIUM NITRITE CAUSES DROPS IN BLOOD PRESSURE, RAPID PULSE, HEADACHES AND VISUAL DISTURBANCES. IT MAY REACT WITH AMINES IN THE BODY TO FORM CARCINOGENIC NITROSAMINES.
Explanation of Carcinogenicity:IT MAY REACT WITH AMINES IN THE BODY TO FORM CARCINOGENIC NITROSAMINES.
Effects of Overexposure:INHALE: MAY CAUSE IRRITATION OF MUCOUS MEMBRANES. EYE/SKIN: CAN CAUSE MODERATE IRRITATION. INGESTION: MAY CAUSE GASTROINTESTINAL TRACT IRRITATION, NAUSEA, VOMITING. MAY CAUSE A DECREASE IN BLOOD PRESSURE AND CYANOSIS.
Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:INHALED: NOT NECESSARY UNLESS AEROSOL/MISTS ARE GENERATED. REMOVE TO FRESH AIR, REST, TREAT SYMPTOMATICALLY. OBTAIN MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH OFF AFFECTED AREA IMMEDIATELY WITH PLENTY OF WATER. EYES: IMMEDIATELY GENTLY FLUSH WITH CLEAN WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. IF CONSCIOUS, WASH OUT MOUTH AND GIVE ONE PINT OF WATER TO DRINK. OBTAIN MEDICAL ATTENTION IMMEDIATELY. IF UNCONSCIOUS DO NOT GI

VE ANYTHING BY MOUTH. CHECK
BREATHING AND PULSE. IF NECESSARY GIVE ARTIFICIAL RESPIRATION.

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

Flash Point:NOT FLAMMABLE

Autoignition Temp:Autoignition Temp Text:NA

Extinguishing Media:NOT EXPECTED TO BURN. USE EXTINGUISHING MEDIA
APPROPRIATE FOR SURROUNDING FIRE

Fire Fighting Procedures:IN CASE OF FIRE, WEAR A FULL FACE POSITIVE
-PRESSURE SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE SUIT.

Unusual Fire/Explosion

Hazard:MAY EVOLVE TOXIC GASES OR FUMES UNDER
FIRE CONDITIONS, OXIDES OF NITROGEN. IF PRODUCT IS ALLOWED TO DRY,
THE SODIUM NITRITE IS AN OXIDIZING AGENT AND CAN INITIATE THE
COMBUSTION OF OTHER MATERIALS.

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING, IMPERVIOUS GLOVES
AND CHEMICAL SPLASH GOGGLES. PREVENT ENTRY INTO SEWERS OR WATER
COURSES. IF IT DOES, INFORM AUTHORITIES. CONTAIN AND ABSORB WITH
SAND

OR VERMICULITE AND MIX WELL. COLLECT UP AND REMOVE TO A SAFE
PLACE UNTIL DISPOSAL. WASH SITE THOROUGHLY WITH WATER. DO NOT USE
COTTON WASTE, SAWDUST OR OTHER COMBUSTIBLES AS ABSORBENTS, THESE
MAY IGNITE WHEN DRIED OUT.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED IN A
COOL, WELL VENTILATED PLACE. STORE SEPARATELY FROM ACIDS, ORGANIC
MATERIALS AND REDUCING
AGENTS. EQUIPMENT FOR STORAGE SHOULD BE
CONSTRUCTED FROM STAINLESS STEEL, PVC, BUTYL/NITRILE RUBBER. AVOID
USE OF AL, COPPER, ZINC AND THEIR ALLOYS, BRASS AND GALVANIZED
METAL

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH
THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE
CONTAMINATED CLOTHING PROMPTLY. LAUNDRY BEFORE REUSE. KEEP OUT OF
REACH OF CHILDREN. DO NOT TAKE INTERNALLY. AVOID GENERATING
AEROSOLS AND MISTS.

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Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY NEEDED. IF EXCESSIVE MISTING IS EXPECTED, WEAR AN APPROVED RESPIRATOR.

Ventilation:USE A CLOSED DESIGN SYSTEM. LOCAL EXHAUST VENTILATION IS RECOMMENDED WHERE SIGNIFICANT AEROSOLS/MISTS ARE GENERATED.

Protective Gloves:NITRILE, NEOPRENE, PVC

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:WEAR IMPERVIOUS APRON. KEEP AN EYE WASH FOUNTAIN AVAILABLE.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:B3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT EVALUATED

Melt/Freeze Pt:M.P/F.P Text:NOT EVALUATED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:SAME AS WATER

Spec Gravity:1.095-1.125

pH:11.3-11.8

Viscosity

:NOT EVALUATED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:DARK RED LIQUID,SLIGHT ODOR

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

ACIDS, REDUCING AGENTS, ORGANIC MATERIALS

Stability Condition to Avoid:FREEZING

Hazardous Decomposition Products:MAY EVOLVE TOXIC GASES OR FUMES, OXIDES OF NITROGEN.

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===== Toxicological Information =====

Toxicological Information:PRIMARY SKIN IRRITATION: 0.5/8.0. PRIMARY EYE IRRITATION: 16.7/110.0. . CHRONIC - REPEATED INGESTION OF SMALL AMOUNTS OF SODIUM NITRITE CAUSES DROPS IN BLOOD PRESSURE, RAPID PULSE, HEADACHES AND VISUAL DISTURBANCES. IT MAY REACT WITH AMINES IN THE BODY TO FORM CARCINOGENIC NITROSAMINES.

===== Ecological Information =====

Ecological:EC50 (48 HR.)/DAPHNIA MAGNA (WATER FLEA) = 670 MG/L. NOEC/48 H/DAPHNIA MAGNA (WATER FLEA) = 400 MG/L. LC50/96 HR/ONCORHYNCHUS MYKISS (RAINBOW TROUT) = 57 MG/L. NOEC/96 HR/ONCORHYNCHUS MYKISS (RAINBOW TROUT) < 40 MG/L. LC50/96HR/SCOPHTHALMUS MAXIMUS = > 2000 MG/L (PARCOM). NOEC/96HR/SCOPHTHALMUS MAXIMUS = 2000 MG/L (PARCOM).

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

Waste Disposal Methods:VIA AUTHORIZED CONTRACTOR. IF THIS PRODUCT BECOMES A WASTE, THE FINAL USER MUST DEFINE AND ASSIGN THE APPROPRIATE EUROPEAN WASTE CATALOGUE CODE.

===== MSDS Transport Information =====

Transport Information:NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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