

NALFLEET LIMITED (NALFLOC LTD) -- NALCOOL 2000 -- 6850-01-085-4719

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

Product ID:NALCOOL 2000

MSDS Date:12/03/1997

FSC:6850

NIIN:01-085-4719

Status Code:A

MSDS Number: CJGPF

=== Responsible Party ===

Company Name:NALFLEET LIMITED (NALFLOC 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

CAGE:TO043

=== Contractor Identification ===

Company Name:NALFLEET INC

Address:195 MOUNTAIN AVE

Box:City:SPRINGFIELD

State:NJ

ZIP:07081-1755

Country:US

Phone:973-379 -1340

Contract Num:SP0450-99-M-C830

CAGE:95719

Company Name:NALFLEET INC

Address:195 MOUNTAIN AVE

Box:City:SPRINGFIELD

State:NJ

ZIP:07081-1755

Country:US

Phone:973-379 -1340

Contract Num:SP0450-99-M-C831

CAGE:95719

Company Name:NALFLEET INC

Address:195 MOUNTAIN AVE

Box:City:SPRINGFIELD

State:NJ

ZIP:07081-1755

Country:US  
Phone:973-379 -1340  
Contract Num:SPO450-00-M-D179  
CAGE:95719  
Company Name:NALFLEET LIMITED  
Address:WINNINGTON AVE  
Box:11  
City:NORTHWICH, CHESHIRE, CW8 4DX  
Country:UK  
Phone:01606-74488/01144(0)1865407333  
CAGE:TO043

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Composition/Information on Ingredients  
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Ingred Name:SODIUM NITRITE  
CAS:7632-00-0  
RTECS #:RA1225000  
Minumum % Wt:4.  
Maxumum % Wt:6.  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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Hazards Identifi  
cation  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) > 2,000 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY  
AND GASTRINTESTINAL TRACTS (HMIS). ACUTE - INHALE: MAY CAUSE  
IRRITATION OF MUCOUS MEMBRANES. EYE/SKIN: CAN CAUSE MODERATE  
IRRITATION. INGESTION: HARMFUL IF SWALL OWED. MAY CAUSE  
GASTROINTESTINAL TRACT IRRITATION. COMPONENT  
S OF PRODUCT CREATE  
FORMATION OF METHEMOGLOBIN. PREGNANT WOMEN ARE PARTICULARLY  
SENSITIVE TO METHEMOGLOBINEMIA. MAY CAUSE A DECREASE IN BLO OD  
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 BO DY TO FORM CARCINOGENIC NITROSAMINES.  
Explanation of Carcinogenicity:IT MAY REACT WITH AMINES IN THE BODY TO  
FORM CARCINOGENIC NIT

ROSAMINES.

Effects of Overexposure: MODERATE IRRITATION, DROPS IN BLOOD PRESSURE, RAPID PULSE, HEADACHES AND VISUAL DISTURBANCES

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

First Aid: GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYE CONTACT: IMMEDIATELY GENTLY FLUSH WITH CLEAN WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IMMEDIATELY. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH OFF AFFECTED AREA IMMEDIATELY WITH PLenty OF WATER. INHALATION: USUALLY NOT NECESSARY UNLESS AEROSOL/MISTS ARE GENERATED. REMOVE TO FRESH AIR. IF NECESSARY GIVE ARTIFICIAL RESPIRATION. OBTAIN MEDICAL ATTENTION. 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.

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

Flash Point: NOT FLAMMABLE  
Autoignition Temp: Autoignition Temp Text: NA  
Ex  
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.

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

Spill Release Procedures: WEAR CHEMICAL RESISTANT APRON, CHEMICAL SPLASH GOGGLES, IMPERVIOUS GLOVES AND WELLINGTON BOOTS. DO NOT ALLOW TO ENTER SEWERS OR WATER COURSES. IF IT DOES, INFORM AUTHORITIES. CONTAIN AND ABSORB WITH SAND OR VERMICULITE AND MIX WELL. COLLECTUP AND REMOVE TO A SAFE PLACE UNTIL DISPOSAL. DO NOT USE COTTON WASTE, SAWDUST OR OTHER COMBUSTIBLE SUBSTANCES AS ABSORBENTS, THESE MAY IGNITE WHEN DRIED OUT.

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

Handling and Storage Precautions:STORE IN A COOL, WELL VENTILATED AREA AWAY FROM INCOMPATIBLES. STORAGE FOR MORE THAN TWO YEARS IS NOT RECOMMENDED. EQUIPMENT FOR STORAGE SHOULD BE CONSTRUCTED FROM STAINLESS STEEL, PVC, BUTYL/NITRILE RUBBER. AVOID USE OF ALUMINUM, COPPER, ZINC AND THEIR ALLOYS, BRASS AND GALVANIZED METALS.

Other Precautions:AVOID BREATHING VAPORS OR MISTS. 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.

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

Respiratory Protection:NONE NORMALLY NEEDED. IF EXCESSIVE MISTING IS EXPECTED, WEAR NIOSH-APPROVED VAPOR AND MIST RESPIRATOR (REFER TO 29 CFR 1910.134)

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:EYE BATH, WASHING FACILITY, LAB COAT OR UNIFORM.

Work Hygienic Practices:GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL.

Supplemental Safety and Health

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

HCC:B3

Boiling Pt:B.P. Text:N/E

Melt/Freeze Pt:M.P/F.P Text:NE

Vapor Pres

:SAME AS WATER

Spec Gravity:1.095- 1.125

pH:11.3-11.8

Viscosity:NE

Solubility in Water:COMPLETE

Appearance and Odor:DARK RED LIQUID,SLIGHT ODOR

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

Stability Indicator/Materials to Avoid:YES

ACIDS, REDUCING AGENTS, ORGANIC MATERIALS

Stability Condition to Avoid:STABLE UNDER AMBIENT CONDITIONS.

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

===== **Toxicological Information**=====

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Toxicological Information:PRIMARY SKIN IRRITATION: 0.5/8.0; PRIMARY EYE IRRITATION: 16.7/110.0

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

Ecological:NITRITE IS TOXIC TO FISH. CHEMICAL OXYGEN DEMAND (COD) = 67000 MG/L. ECOTOXICOLOGICAL EFFECTS: LC50/96H/LEPOMIS MACROCHIRUS (BLUEGILL SUNFISH) = > 1000 MG/L; LC50/96H/ONCORHYNCHUS MYKISS (RAINBOW TRO UT) = 200 MG/L.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

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