

NALFLEET LIMITED (NALFLOC LTD) -- NALCOOL 2000 -- 6850-01-086-3438

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Product Identification
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Product ID:NALCOOL 2000

MSDS Date:03/12/1997

FSC:6850

NIIN:01-086-3438

Status Code:A

MSDS Number: CJNSD

=== 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-NC34

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.
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 2,000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:NHAL/SKIN:MAY CAUSE IRRIT OF MUC
MEMB.EY:CAN CAUSE MODERATE IRRIT.INGEST:HARMFUL IF SWALLOWED. MAY
IRRIT GASTRO-INTESTINAL TRACT W/N
AU,VOMIT.COMPO OF PROD CREATE
FORMATION OF METHAEMOGLOBIN.PREG WOMEN ARE PARTICULARLY SENS TO
METHEMOGLOBINEMIA.MAY CAUSE DECR IN BLOOD
PRESS,CYANOSIS.CHRONIC:REP INGEST OF SM AMTS OF SODIUM NITRITE
CAUSES DROPS IN BLOOD PRESSU,RAPID PULSE,HEAD,VISUAL DISTURB.AL SO
RX W/ORG AMINES IN BODY TO FORM CARC NITROSAMINES.
Explanation of Carcinogenicity:IT MAY REACT WITH ORGANIC AMINES IN THE
BODY TO FORM CARCINOGENIC NITROSAMINES.
Effects of Overexposure:IRRIT OF MUCOUS MEMBRAN
ES.MODERATE EYE
IRRIT.IRRIT GASTRO-INTESTIONAL TRACT W/NAU, VOMIT.BLOOD PRESSURE
DROPS, RAPID PULSE, HEADACHES, VISUAL DISTRUBANCES.SODIUM NITRITE
RX W/ORG AMINES IN BODY TO FOR M CARCINOGENIC NITROSAMINES.
Medical Cond Aggravated by Exposure:PREGNANT WOMEN ARE PARTICUARLY
SENSITIVE TO METHEMOGLOBINEMIA.

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

First Aid:INHAL:USUALLY NOTNECESSARY UNLESS AEROSOL/MIST GENERATED.MOVE
TO FRESH AIR.REST.TREAT SYMPTOMA
TICALLY.GET MED ATTN.SKIN:REMOVE
CONTAM CLOTH.WASH OFF AFFECTED AREA IMMED W/ LOTS OF H2O.EYE:IMMED
GENTLY IRRIGATE W/CLEAN H2O @LEAST 15MINS.MOVE EYEBALL,KEEP
EEYLIDS WIDE OPN/APART.GET MED ATTN IMMED.INGEST:DONT INDUCE VOMIT
W/O MED ADVICE.CONSC WASHOUT MOUTH,GIVE 1 PT OF H2O TO DRINK.GET
MED ATTN IMMED .IF UNCONSC DONT GIVE ANYTHING BY MOUTH, PLACE IN
RECOVERY POSITION,CHEKC BREATH/PULSE.IF NECESSARY GIVE ART RESP.

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

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Flash Point:NOT FLAMMABLE

Autoignition Temp:Autoignition Temp Text:NA

Extinguishing Media:NOT EXPECTED TO BURN. IN CASE OF FIRE, USE WATER SPRAY, FOAM, DRY POWDER, CARBON DIOXIDE.

Fire Fighting Procedures:IN CASE OF FIRE, WEAR A FULL FACE POSITIVE -PRESSURE SELF CONTAINED BREATHING APPPARATUS 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 NITRIT

E IS AN OXIDIZING AGENT AND CAN INITIATE THE COMBUSTION OF OTHER MATERIALS.

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

Spill Release Procedures:WEAR CHEM RESIST APRON,CHEM SPLASH GOGG,IMPERV GLOVE,WELLINGTON BOOTS.GROSS EXPO RECOMMEND FULL SLICKER SUITE.DONT ALLOW TO ENTER SEWERS/H2O COURSES;IF ENTERS IMMED INFORM APPROPR H2O AUTHORITIES.CONT AIN/ABSORB W/SAND/VERM;MIX WELL.COLLECT,MOVE TO SAFE PLACE TIL DISPO.WASH SITE WELL W/H2O.ASSISTANCE CAN BE OBTAIN FRM WASTE DISPO COMPANIES. DONT USE COTTON WASTE/SAWDUST/OTHER COMBUST SUBST.

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

Handling and Storage Precautions:AVOID GENERATING AEROSOLS/MISTS.EPMT FOR STORAGE/APPLICATION SHOULD BE CONSTRUCTED FROM SS,POLYPROPYLENE,POLYETHYLEN,PVC,ACRYLIC RESIN, POLYVINY- LIDENE DIFLUORIDE,BUTYL RUBB,NITRILE RUBB,NAT RUBB,NE OPREN,ETHYLENE PROPYLENE RUBB.AVOID USE OF AL,CU,ZN,THEIR ALLOYS,BRASS,GALVANIZED M ETALS.

Other Precautions:KEEP CNTNR TIGHTLY CLSD IN COOL WELL-VENTILATED PLACE.STORE SEPARATELY FROM ACIDS,ORG MATLS & RED AGENTS.STORAGE FOR MORE THAN 2 YRS NOT RECOMMENDED.

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

Respiratory Protection:RESPIRATORY PROTECTION NOT NORMALLY NEEDED. IF SIGNIFICANT MISTS, VAPOURS OR AEROSOLS ARE GENERATED AN APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation:USE A CLOSED DESIGN SYSTEM. LOCAL EXHAUST VENTILATION IS RECO

MMENDED WHERE SIGNIFICANT AEROSOLS/MISTS ARE GENERATED.

Protective Gloves:NITRILE GLOVES, NEOPRENE GLOVES, PVC GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES

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

Work Hygienic Practices:AVOID EYE/SKIN CONTACT.CLOTH CONTAM REMOVE&WASH
WELL AFFECTED AREA.LAUNDER CONTAM CLOTH BEF REUSE.DONT TAKE
INTERNALLY.AVOID GENERATING AEROSOLS/MISTS.

Supplemental Safety and Health

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

HCC:B3

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

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

Vapor Pres:SAME AS WATER

Spec Gravity:1.095- 1.125@20C

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. AVOID:
FREEZING TEMPERATU

RES

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

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

Toxicological Information:PRIMARY SKIN IRRIT:0.5/8.0.PRIMARY EYE

IRRIT:16.7/110.0.SENSITIZATION:NO DATA AVAILABLE.CHRONIC TOXICITY

DATA:REP INGEST OF SMALL AMTS OF SODIUM NITRITE CAUSE DROPS IN

BLOOD PRESSURE,RAPID PULSE,HEADACHES,VISUAL DISTURBANCES.IT MAY

ALSO RX W/ORGANIC AMINES IN BODY TO FORM

CARCINOGENIC NITROSAMINES.

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Ecological Information
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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. MOBILITY & BIOACCUMULATION POT: NO DATA AVAILABLE.

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Disposal Considerations
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Waste Disposal Methods:VIA AUTHORIZE
D CONTRACTOR.NONE PROVIDED FOR
USA.HMIS-DISPO OF IAW ALL APPLICABLE FED/STATE/LOC REG/LAWS.

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MSDS Transport Information
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Transport Information:CLASS:NOT REGULATED.

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Other Information
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