

NALFLEET INC -- 9-111 (NF-411) -- 6850-01-287-1057

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

Product ID:9-111 (NF-411)
MSDS Date:02/09/1993
FSC:6850
NIIN:01-287-1057
MSDS Number: CDLVZ
=== Responsible Party ===
Company Name:NALFLEET INC
Address:195 MOUNTAIN AVE
City:SPRINGFIELD
State:NJ
ZIP:07081-1216
Country:US
Info Phone Num:201-379-1340
Emergency Phone Num:800-255-3924
CAGE:95719
=== Contractor Identification ===
Company Name:NALFLEET INC
Address:195 MOUNTAIN AVE
Box:City:SPRINGFIELD
State:NJ
ZIP:07081-1755
Country:US
Phone:973-379 -1340
CAGE:95719

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===== Composition/Information on Ingredients =====

Ingred Name:SODIUM NITRITE (CERCLA)
CAS:7632-00-0
RTECS #:RA1225000
Fraction by Wt: MINOR
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SODIUM HYDROXIDE (CERCLA)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: SOME 50%
Other REC Limit

s:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1,H-BENZOTRIAZOLE (4 OR 5)-METHYL SODIUM SALT
CAS:64665-57-2
Fraction by Wt: SOME
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM NITRATE
CAS:7631-99-4
RTECS #:WC5600000
Fraction by Wt: SOME
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Routes of Entry: Inhal

ation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE & CHRONIC HEALTH HAZARDS ARE
DIFFICULT TO ACCURATELY ASSESS FOR MIXTURES. IN GENERAL SEE FIRST
AID SECTION FOR ACUTE EFFECTS & LONG-TERM EFFECTS WOULDHAVE TO BE
DERIVED FROM THESE IMMEDIATE RESU LTS. SPECIFIC CHRONIC EFFECTS CAN
BE STUDIED FROM THE INDIVIDUAL HAZARDOUS CHEMICALS AS BEST GUESS
W/O LAB STUDIES.

Explanation of Carcinogenicity:NONE KNOWN

Effects of Overexposure:EYE:STRONG BURNING. SKIN:IMMEDIATE BURNING.

INHALATION:IMMEDIATE BURNING OF MUCOUS MEMBRANES.

INGESTION:IMMEDIATE BURNING OF MUCOUS MEMBRANES.

Medical Cond Aggravated by Exposure:AVAILAVLE INFORMATION SUGGESTS THAT
EXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

HOWEVER DUE TO WIDELY VARYING CONDITIONS OF USE, EACH SITUATION
WILL HAVE TO BE EVALUATED.

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

First Aid:IF IRR

ITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/VINEGAR OR OTHER MILD ACID. INHALED:REMOVE FROM EXPOSURE. AID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. RINSE MOUTH THEN GIVE 1-2 GLASSES OF MILK OR WATER TO DRINK TO NEUTRALIZE ALKALI. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point:N/A.

Autoignition Temp:Aut

Ignition Temp Text:N/A.

Lower Limits:N/A.

Upper Limits:9999.0

Extinguishing Media:THIS PRODUCT IS NON-COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING WHEN FIGHTING FIRES WHERE THESE PRODUCTS ARE STORED, ESPECIALLY IN CONFINED AREAS.

Unusual Fire/Explosion Hazard:IF ALLOWED TO DRY OUT, SODIUM NITRITE IS A POWERFUL OXIDIZING AGENT AND CAN INITIATE COMBUSTION IN OTHER MATERIALS. TOXIC NITROUS FUMES MAY EVOLVE FROM A FIRE.

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

Spill Release Procedures:CONFINE SPILL BY DIKING. RECOVER LIQUID W/VACUUM EQUIPMENT. ABSORB REMAINDER W/INERT MATERIAL. PLACE COLLECTED MATERIALS IN APPROPRIATE DRUMS FOR RECOVERY OR DISPOSAL.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:DO NOT FREEZE OR

SUBJECT TO EXCESSIVE

HEAT. KEEP AWAY FROM CHILDREN. DO NOT CONTAMINATE FOOD STUFFS. DO NOT MIX W/OTHER CHEMICALS. MIX ONLY W/WATER.

Other Precautions:KEEP DRY AT ALL TIMES. DO NOT OVER STRESS CONTAINER.

IF SENSITIVITY, ALLERGY OR OTHER HEALTH PROBLEM DEVELOPS, SEE YOUR SUPERVISOR. LAUNDRY ALL CLOTHING BEFORE REUSE. DISCARD CONTAMINATED EQUIPMENT THAT CANNOT BE PROPERLY CLEANED.

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

Respiratory Protection:NON

E NORMALLY NEEDED.

Ventilation:USE OF MECHANICAL (GENERAL) VENTILATION IS USUALLY SUFFICIENT. USE LOCAL EXHAUST IS RECOMMENDED.

Protective Gloves:HEAVY DUTY PVC, RUBBER OR SIMILAR

Eye Protection:SAFETY GLASSES OR CHEMICAL SPLASH GOGGLE

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. LONG SLEEVE SHIRTS & PANTS

Work Hygienic Practices:WASH OR SHOWER DAILY TO MAINTAIN GOOD CLEANLINESS WHEN IN CONTACT W/VARIOUS CLEANING OR WATER TREATING CHEMICALS.

Supplemental Safety and Health
NONE

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

HCC:B1

NRC/State Lic Num:NONE

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

Melt/Freeze Pt:M.P/F.P Text:N/A.

Vapor Pres:N/A.

Vapor Density:N/A.

Spec Gravity:1.350

pH:>12.2

Evaporation Rate & Reference: