

BETTER ENGINEERING MFG INC -- NAT-50 MS (D-LIMONENE FREE) -- 6850-01-431-9025

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Product Identification
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Product ID:NAT-50 MS (D-LIMONENE FREE)

MSDS Date:03/10/1997

FSC:6850

NIIN:01-431-9025

MSDS Number: CCMZJ

=== Responsible Party ===

Company Name:BETTER ENGINEERING MFG INC

Address:8361 TOWN CENTER CT

City:BALTIMORE

State:MD

ZIP:21236

Country:US

Info Phone Num:301-931-0000

Emergency Phon

e Num:800-535-5053(INFOTRAC)

Resp. Party Other MSDS Num.:BE004002 REV: B

Preparer's Name:NOT PROVIDED.

CAGE:0KRW1

=== Contractor Identification ===

Company Name:BETTER ENGINEERING MFG INC

Address:7101 BELAIR ROAD

Box:City:BALTIMORE

State:MD

ZIP:21206

Country:US

Phone:800-229-3380

Contract Num:SP0450-01-M-D230

CAGE:0KRW1

Company Name:BETTER ENGINEERING MFG INC

Address:7101 BELAIR ROAD

Box:City:BALTIMORE

State:MD

ZIP:21206

Country:US

Phone:800-229-3380

Contract Num:SP0450-99-F-0258

CAGE:0KRW1

Comp

any Name:BETTER ENGINEERING MFG INC

Address:7101 BELAIR ROAD

Box:City:BALTIMORE

State:MD

ZIP:21206

Country:US

Phone:800-229-3380

Contract Num:SPO450-01-M-D848

CAGE:0KRW1

Company Name:BETTER ENGINEERING MFG INC

Address:7101 BELAIR ROAD

Box:City:BALTIMORE

State:MD

ZIP:21206

Country:US

Phone:800-229-3380

Contract Num:SPO450-99-M-ND54

CAGE:0KRW1

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Composition/Information on Ingredients
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Ingred Name:NAT-50 CONTAINS NO HAZARDOUS INGREDIENTS PER 29 CFR 1910.

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE - SKIN AND EYE IRRITANT. CHRONIC
- NONE KNOWN.

Explanation of Carcinogenicity:CARCINOGEN OR SUSPECT CARCINOGEN: NONE.

Effects of Overexposure:SKIN AND EYE IRRITANT.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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First
Aid Measures
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First Aid:EYES: FLUSH WITH WATER FOR 20-30 MINUTES. CONSULT A PHYSICIAN IMMEDIATELY. SKIN: FLUSH AFFECTED AREA WITH WATER FOR 20-30 MINUTES. INHALED: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN OR ARTIFICAIL RESPIR ATION IF NEEDED. SEEK MEDICAL ATTENTIONIMMEDIATELY. INGESTION: IF LARGE QUANTITIES ARE SWALLOWED, DRINK LUKEWARM WATER (NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON). DO NOT INDUCE VOMITING. SEEK MEDI CAL ATTENTION IMMEDI

ATELY.

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

Flash Point:NONE

Fire Fighting Procedures:USE SELF-CONTAINED RESPIRATORY PROTECTION.

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

Spill Release Procedures:SHOVEL DRY SPILL INTO DOT APPROVED DRUMS FOR DISPOSAL. SMALL SPILLS OF NAT-50 MS IN SOLUTION CAN BE WIPED UP. LARGE SOLUTION SPILLS SHOULD BE CONTAINED IN A CENTRAL AREA AND ABSORBED WITH SAND OR OTHER SUITABLE ABSORBENTS FOR DISPOSAL.

CONSULT LOCAL CODES FOR DISPOSAL. USE CAUTION WHEN HANDLING REFER TO HEALTH HAZARDS.

Neutralizing Agent:NOT PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:STORE IN DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM INCOMPATIBLE MATERIALS. KEEP SOLUTION FROM FREEZING.

Other Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. AVOID EYE AND SKIN CONTACT.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS OF USE. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED DUST/MIST RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST

Protective Gloves:LATEX OR RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING. DLA-HMIS: EYE WASH STATION, SAFETY SHOWER.

Work Hygienic Practices:NOT PROVIDED BY MANUFACTURER

Supplemental Safety and Health

1% SOLUTION OF POWDER HAS A PH = 10.5, WHICH MAKES IT ALKALINE WITH LOW HAZARD. PRECAUTIONS SHOULD BE TAKEN WHEN WORKING WITH THE SOLUTION OR HANDLING IT UNDER MOIST CONDITIONS.

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

HCC:N1

Boiling Pt.=103.3C, 218.F

B.P. Text:5%/H2O

pH:10.5

@1%

Solubility in Water:COMPLETE

Appearance and Odor:ORANGE POWDER, SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid:YES

DO NOT MIX WITH ACIDS AND/OR STRONG OXIDIZERS. THIS PRODUCT CONTAINS NITRITE SALTS-DO NOT MIX WITH AMINES OR SUBSTANCES CONTAINING AMINES.

Stability Condition to Avoid:NOT PROVIDED BY MANUFACTURER

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

Toxicological Information:NOT PROVIDED BY MANUFACTURER

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

Ecological:NOT PROVIDED BY MANUFACTURER

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

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

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

Transport Information:NOT PROVIDED BY MANUFACTURER

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

SARA

Title III Information:NOT PROVIDED BY MANUFACTURER

Federal Regulatory Information:NOT PROVIDED BY MANUFACTURER

State Regulatory Information:NOT PROVIDED BY MANUFACTURER

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

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