

NATIONAL CHEMSEARCH DIV OF NCH CORP. -- ND-150 -- 6850-00-093-3598

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

Product ID:ND-150

MSDS Date:07/25/1990

FSC:6850

NIIN:00-093-3598

MSDS Number: BCYMQ

=== Responsible Party ===

Company Name:NATIONAL CHEMSEARCH DIV OF NCH CORP.

Address:2727 CHEMSEARCH BLVD.

Box:152170

City:IRVING

State:TX

ZIP:75062

Country:US

Info Phone Num:214-438-1381

Emergency Phone Num:214-43

8-1381

Preparer's Name:LANCE PETERSEN CHEMIST

CAGE:DO481

=== Contractor Identification ===

Company Name:NATIONAL CHEMSEARCH DIV OF NCH CORP

Address:2727 CHEMSEARCH BLVD

Box:152170

City:IRVING

State:TX

ZIP:75015-5000

Country:US

Phone:972-438-1381

CAGE:DO481

Company Name:NCH CORP

Address:2727 CHEMSEARCH BLVD

Box:152170

City:IRVING

State:TX

ZIP:75015-2170

Country:US

Phone:972-438-0563

CAGE:20913

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

Ingred Name:2-BUTOXYETHANOL

CAS:1

11-76-2
RTECS #:KJ8575000
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9293

Ingred Name:SODIUM METASILICATE
CAS:6834-92-0
RTECS #:VV9275000
Other REC Limits:NONE SPECIFIED

Ingred Name:"NOT HAZARDOUS" - NAMES AND CAS NUMBERS ARE PROTECTED UNDER
NJ TRADE.
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 1480 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Report

s of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-INHALATION:UPPER RESPIRATORY
TRACT IRRITATION.SKIN:REDDENING &

IRRITATION.EYES:TEARING,IRRITATION & DISCOMFORT.INGESTION:MAY CAUSE
NAUSEA,DIARRHEA & IRRITATION.CHRONIC-INHALATION:DAMAGE TO UPPER
RESPIRATORY TRACT.EYES:BLINDNESS.SKIN:DESTRUCTION & DERMATITIS.

Effects of Overexposure:SEE HEALTH HAZARDS SECTION. TARGET
ORGANS:LIVER, KIDNEY, LYNPHOID SYSTEM, SKIN, EYES AND RESPIRATORY
SYSTE

M.

Medical Cond Aggravated by Exposure:PRE-EXISTING LIVER, KIDNEY, SKIN,
BLOOD, EYES AND RESPIRATORY SYSTEMS MAY BE EXACERBATED BY PROLONGED
EXPOSURE TO THIS PRODUCT.

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

First Aid:CALL A PHYSICIAN IF NECESSARY.INHALATION:REMOVE TO FRESH
AIR.GIVE CPR IF NEEDED.EYES:FLUSH WITH WATER FOR 15
MINUTES.SKIN:WASH WITH PLENTY OF WATER.INGESTION:DON'T INDUCE
VOMITING.IF CONSCIOUS,GIVE SE VERAL GLASSES OF ORANGE JUICE.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:USE WATER SPRAY, "ALCOHOL" FOAM, CO2, DRY CHEMICAL FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NONE KNOWN

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

S

Spill Release Procedures:STOP LEAKS. CONTAIN SPILL. REMOVE BY WET VACUUM OR ABSORBENT.REUSE SPILLED MATERIAL IF POSSIBLE. OTHERWISE, PLACE IN CONTAINER.FLUSH REMAINING RESIDUE TO DRAIN.

Neutralizing Agent:DILUTE (10%) HCL OR FLUSH WITH LARGE AMOUNT OF WATER.

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

Handling and Storage Precautions:STORE IN A COOL & DRY AREA.KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID PROLONGED OR REPEATED

BREATHING OF VAPOR. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:NONE NORMALLY REQUIRED.IN AN EMERGENCY SITUATION, WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:GENERAL VENTILATION.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD PERSONAL

HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED SKIN CONTACT.

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

HCC:B3

Boiling Pt:B.P. Text:210F,99C

Vapor Pres:17

Vapor Density:0.6

Spec Gravity:1.01

pH:12.2

Evaporation Rate & Reference:0.10 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:YELLOW-GREEN TRANSPARENT LIQUID, BUTYL ODOR

Percent Volatiles b

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

Stability Indicator/Materials to Avoid: YES

OVEREXPOSURE: DARKENS ALUMINUM, TIN, ZINC. ETCHES: ANODIZED ALUMINUM AND GLASS IF LEFT TO DRY.

Stability Condition to Avoid: FLAMES

Hazardous Decomposition Products: MAY EMIT ACRID SMOKE.

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

Waste Disposal Methods: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their

particular situation.