

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 7930  
NIIN: 00N037068  
Manufacturer's CAGE: 20913  
Part No. Indicator: A  
Part Number/Trade Name: ND-165, 0237

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General Information

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Item Name: ALKALINE DETERGENT  
Company's Name: NATIONAL CHEMSEARCH DIV OF NCH CORP  
Company's Street:  
Company's P. O. Box: 152170  
Company's City: IRVING  
Company's State: TX  
Company's Country: US  
Company's Zip Code: 75015  
Company's Emerg Ph #: 214-438-1381  
Company's Info Ph #: 214-438-1381  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: N  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 09JUL92  
Safety Data Review Date: 07DEC92  
Supply Item Manager:  
MSDS Preparer's Name: K. WOODY  
Preparer's Company: SAME  
Preparer's St Or P. O. Box:  
Preparer's City:  
Preparer's State:  
Preparer's Zip Code:  
Other MSDS Number:  
MSDS Serial Number: BQRNX  
Specification Number:  
Spec Type, Grade, Class:  
Hazard Characteristic Code: C4  
Unit Of Issue:  
Unit Of Issue Container Qty:  
Type Of Container:  
Net Unit Weight:

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NRC/State License Number:  
Net Explosive Weight:  
Net Propellant Weight-Ammo:  
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 01  
Percent:  
Ingredient Action Code:  
Ingredient Focal Point: N  
NIOSH (RTECS) Number:  
CAS Number:  
OSHA PEL:  
ACGIH TLV:  
Other Recommended Limit:

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 02  
Percent:  
Ingredient Action Code:  
Ingredient Focal Point: N  
NIOSH (RTECS) Number:  
CAS Number:  
OSHA PEL:  
ACGIH TLV:  
Other Recommended Limit:

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 03  
Percent:  
Ingredient Action Code:  
Ingredient Focal Point: N  
NIOSH (RTECS) Number:  
CAS Number:  
OSHA PEL:  
ACGIH TLV:  
Other Recommended Limit:

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 04  
Percent:  
Ingredient Action Code:  
Ingredient Focal Point: N  
NIOSH (RTECS) Number:  
CAS Number:  
OSHA PEL:  
ACGIH TLV:

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Other Recommended Limit:

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 05  
Percent:  
Ingredient Action Code:  
Ingredient Focal Point: N  
NIOSH (RTECS) Number:  
CAS Number:  
OSHA PEL:

ACGIH TLV:

Other Recommended Limit:

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Physical/Chemical Characteristics

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Appearance And Odor: YELLOW-GREEN TRANSPARENT WITH LOW ODOR.

Boiling Point: 210F,99C

Melting Point: N/K

Vapor Pressure (MM Hg/70 F): 17

Vapor Density (Air=1): 6

Specific Gravity: 1.05 (H\*20 =1)

Decomposition Temperature: N/K

Evaporation Rate And Ref: 0.1 (BUYTL ACETATE = 1)

Solubility In Water: COMPLETE

Percent Volatiles By Volume: 95

Viscosity:

pH: 12.2

Radioactivity:

Form (Radioactive Matl):

Magnetism (Milligauss): N/P

Corrosion Rate (IPY): N/K

Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: NON FLAMMABLE

Flash Point Method: N/P

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY.

Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT (FP N).

Unusual Fire And Expl Hazrds: NONE KNOWN

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: MAY ETCH GLASS OR ANODIZED ALUMINUM IF PRODUCT IS HOT,  
SURFACE IS HOT OR PRODUCT IS NOT RINSED OR PROPERLY DILUTED.

Hazardous Decomp Products: OXIDES OF CARBON, NITROGEN, SILICA.

Hazardous Poly Occur: NO

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Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: ACUTE:EXPOS FROM THIS ALKALINE MIX MAY  
RESULT IN REDDENING OF SKIN, MOD IRRIT & POSS DISCOMFORT. IRRIT BY INHAL  
SPRAY MIST TO UPPER RESP TRACT/OTHER MUC MEM AREAS. EYE CONT PRODUCES  
TEARING, IRRIT & DISCOMFORT. ACCIDENTAL INGEST MAY CAUSE NAUS, DIARR, &  
IRRIT OF INTESTINAL LINING. CHRONIC:LONG TERM (EFTS OF OVEREXPOS)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ:MISUSE RESULTING FROM AIRBORNE CONC OF MIST/SPRAY MAY CAUSE DMG TO UPPER RESP TRACT. CHRONIC EFTS MAY RESULT IN SUPERFICIAL DESTRUCTION OF SKIN TISSUE & DERM. THERE ARE NO KNOWN CHRONIC EFTS TO EYES OTHER THAN EXTENSION OF ACUTE EFTS. REPEATED LONG TERM EXPOS CAN CAUSE CNS DEPRESS & KIDNEY EFTS.

Med Cond Aggravated By Exp: PERSONS WITH AGGRAVATED SKIN CONDITIONS OR RESPIRATORY TRACT DISEASE MAY BE NEGATIVELY AFFECTED BY USE OF PRODUCT AS AN INGREDIENT MAY BE ABSORBED THROUGH SKIN.

Emergency/First Aid Proc: INHAL:IF SUFF CONC TO CAUSE COUGHING, SNEEZING/RESP IRRIT EXPOS PERSON SHOULD BE REMOVED TO FRESH AIR & TREATED SYMP. EYE:FLUSH W/PLENTY OF WATER FOR AT LST 15 MIN, HOLDING LIDS APART TO ENSURE FLUSHING OF ENTIRE EYE SURF. IF IRRIT PERSISTS, SEEK MD ATTN. SKIN: WASH W/PLENTY OF WATER. IF IRRIT OCCURS, APPLY A LANOLIN RICH SKIN CREAM. IF IRRIT PERSISTS, SEE MD. INGEST: DO NOT INDUCE VOMIT. (SUPDAT)

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SM SPILL:FLUSH SURFACE W/LRG AMTS OF WATER & FLUSH DOWN DRAIN. LRG SPILL:STOP LEAK. CONTAIN SPILL. REMOVE BY WET VACUUM/ ABSORB. REUSE SPILLED MATL IF POSS. OTHERWISE PLACE IN CLSD LBLD CONTR & STORE IN SAFE PLACE FLUSHING REMAINING RESIDUE TO DRAIN.

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

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH POLLUTION.

Precautions-Handling/Storing: INDOOR STORAGE AT 120F MAX, 32F MIN. IF POSSIBLE STORE AT MODERATE TEMPERATURES.

Other Precautions: HIGHER/LOWER STORAGE TEMPERATURES SHOULD NOT HARM PRODUCT EFFECT, BUT HEAT MAY CAUSE INCR AGRESSIVENESS ON GLASS/ALUMINUM. KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING. IF PRODUCT FREEZES, WARM TO ROOM TEMP AND STIR THORO.

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Control Measures

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Respiratory Protection: WITH NORMAL USE, NO RESPIRATOR IS REQUIRED. IN AN EMERGENCY SITUATION THE FOLLOWING NIOSH/MSHA APPROVED RESPIRATOR SELECTION IS SUGGESTED:100 MG/M3:HIEPF/SAF/SCBAF. 200 MG/M3:PAPHIEF/SAF/ PD/PP/CF.

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ESCAPE:DMXSF/SCBAF.

Ventilation: GOOD INDUSTRIAL HYGIENE PRACTICES DICTATES THAT WORK AREAS SHOULD PROVIDE ADEQ VENT/CONTROL TO MAINTAIN & MEET OSHA REQ.

Protective Gloves: NEOPRENE GLOVES.

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: FIRST AID PROC: GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MD ATTENTION IMMEDIATELY. NOTE TO MD: SODIUM METASILICATE:GASTRIC LAVAGE IS INDICATED.

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Transportation Data

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Transportation Action Code:

Transportation Focal Point: N

Trans Data Review Date: 93154

DOT PSN Code: ZZZ

DOT Symbol:

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DOT Class: N/R

DOT ID Number: N/R  
 DOT Pack Group:  
 DOT Label: N/R  
 DOT/DoD Exemption Number:  
 IMO PSN Code: ZZZ  
 IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
 IMO Regulations Page Number: N/R  
 IMO UN Number: N/R  
 IMO UN Class: N/R  
 IMO Subsidiary Risk Label: N/R  
 IATA PSN Code: ZZZ  
 IATA UN ID Number: N/R  
 IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
 IATA UN Class: N/R  
 IATA Subsidiary Risk Class: N/R  
 IATA Label: N/R  
 AFI PSN Code: ZZZ  
 AFI Symbols:  
 AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
 AFI Class: N/R  
 AFI ID Number: N/R  
 AFI Pack Group:  
 AFI Label: N/R  
 AFI Special Prov:  
 AFI Basic Pac Ref:  
 MMAC Code:  
 N.O.S. Shipping Name:  
 Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

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Disposal Data

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Disposal Data Action Code:  
 Disposal Data Focal Point:  
 Disposal Data Review Date:  
 Rec # For This Disp Entry:  
 Tot Disp Entries Per NSN:  
 Landfill Ban Item:  
 Disposal Supplemental Data:  
 1st EPA Haz Wst Code New:  
 1st EPA Haz Wst Name New:  
 1st EPA Haz Wst Char New:  
 1st EPA Acute Hazard New:  
 2nd EPA Haz Wst Code New:  
 2nd EPA Haz Wst Name New:  
 2nd EPA Haz Wst Char New:  
 2nd EPA Acute Hazard New:  
 3rd EPA Haz Wst Code New:  
 3rd EPA Haz Wst Name New:  
 3rd EPA Haz Wst Char New:  
 3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES  
 Technical Review Date: 07DEC92  
 Label Date: 02DEC92  
 MFR Label Number:  
 Label Status: G

Common Name: ND-165, 0237  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-None:  
Acute Health Hazard-Slight:  
Acute Health Hazard-Moderate: X  
Acute Health Hazard-Severe:  
Contact Hazard-None:  
Contact Hazard-Slight:  
Contact Hazard-Moderate: X  
Contact Hazard-Severe:  
Fire Hazard-None: X  
Fire Hazard-Slight:  
Fire Hazard-Moderate:  
Fire Hazard-Severe:  
Reactivity Hazard-None: X  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions: INDOOR STORAGE AT 120F MAX, 32F MIN. ACUTE:  
EXPOSURE MAY RESULT IN REDDENING OF SKIN, MODERATE IRRITATION AND POSSIBLE  
DISCOMFORT. IRRITATION BY INHALING SPRAY MIST TO UPPER RESPIRATORY TRACT/  
OTHER MUC MEMB AREAS. EYE CONTACT PRODUCES TEARING, IRRITATION AND

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DISCOMFORT. ACCIDENTAL INGESTION MAY CAUSE NAUSEA, DIARRHEA AND IRRITATION  
OF INTESTINAL LINING. CHRONIC: LONG TERM MISUSE MAY CAUSE DAMAGE TO UPPER  
RESPIRATORY TRACT. MAY RESULT IN SUPERFICIAL DESTRUCTION OF SKIN TISSUE AND  
DERMATITIS. REPEATED LONG TERM EXPOSURE CAN CAUSE CENTRAL NERVOUS SYSTEM  
DEPRESSION AND KIDNEY EFFECTS.

Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: NATIONAL CHEMSEARCH DIV OF NCH CORP  
Label Street:  
Label P.O. Box: 152170  
Label City: IRVING  
Label State: TX  
Label Zip Code: 75015  
Label Country: US  
Label Emergency Number: 214-438-1381  
Year Procured: