ALFA KLEEN -- OPTICAL LENS CLEANER TYPE I,AK-032 -- 6850-00-227-1887
===================== Product Identification =====================

Product ID:OPTICAL LENS CLEANER TYPE I,AK-032
MSDS Date:04/01/1996
FSC:6850
NIIN:00-227-1887
MSDS Number: BRQMW
=== Responsible Party ===
Company Name:ALFA KLEEN
Address:2691 SATURN STREET
City:BREA
State:CA
ZIP:92621
Country:US
Info Phone Num:714-524-2530/FAX 714-524-1765
Emergency Phone Num:7
14-524-2530/800-424-9300(CHEMTREC)
Preparer's Name:ANTONETTE TRINCHESE
CAGE:62639
=== Contractor Identification ===
Company Name:ALFA KLEEN CHEMICAL LABORATORIES INC
Address:840 CAPITOLIO WAY
Box:City:SAN LUIS OBISPO
State:CA
ZIP:93401
Country:US
Phone:805-541-3465
CAGE:62639

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

Ingred Name:NONYLPHENOXYPOLYETHOXYETHANOL/DETERGENT MIL D-16791
CAS:68412-54-4
Fraction by Wt: 0.15%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATE

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CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 79.9%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYL ALCOHOL (ETHANOL)/DENATURED NO. 3A
CAS:64-17-5
RTECS #:KQ6300000
Fraction by Wt: 20.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9293

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO   IARC:NO OSHA:NO
Hea
lth Hazards Acute and Chronic:ACUTE- MAY CAUSE EYE IRRITATION.
   INHALATION OF MIST MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT.
   INGESTION MAY BE HARMFUL. CHRONIC- NOT KNOWN.
Effects of Overexposure:EYE, RESPIRATORY TRACT IRRITATION

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH
   WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH WATER.
   INHALED:REMOVE TO FRESH AIR. ORAL:CALL A
 PHYSICIAN.

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

Flash Point Method:PMCC
Flash Point:>200F,>93C
Extinguishing Media:USE WATER SPRAY.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND
   NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. COOL FIRE
   EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:NOT KNOWN

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

Spill Release Procedures:FLUSH SPILLS OR RELEASE

S TO SEWER WITH LARGE
   AMOUNT OF WATER IF PERMITTED.
Neutralizing Agent:WATER

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. AVOID
   FREEZING.
Other Precautions:AVOID CONTACT WITH EYES. KEEP OUT OF REACH OF
   CHILDREN.

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

Respiratory Protection:NONE REQUIRED.
Ventilation:ADEQUATE
Protective Gloves:NOT REQUIRED.
Eye Protection:SAFETY GOGGLES
RECOMMENDED
Other Protective Equipment:EYE WASH STATION
Work Hygienic Practices:PRACTICE GOOD HYGIENIC PROCEDURE. WASH
   THOROUGHLY BEFORE EATING OR DRINKING.
Supplemental Safety and Health
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME
   NSN.

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

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:346F,174C
Melt/Freeze Pt:M.P/F.P Text:20.0F,-6.7C
Vapor Pres:NONE
Vapor Density:0.62
Spec Gravity:0.9
0
pH:5
Viscosity:NOT KNOWN
Evaporation Rate & Reference:0.7 (REFERENCE: UNKNOWN)
Solubility in Water:COMPLETE
Appearance and Odor:WATER WHITE LIQUID WITH ALCOHOL ODOR
Percent Volatiles by Volume:NONE
Corrosion Rate:NONE

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

Stability Indicator/Materials to Avoid:YES
NONE
Stability Condition to Avoid:EXCESSIVE HEAT
Hazardous Decomposition Products:NONE

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

Waste

Disposal Methods:STANDARD SEWAGE TREATMENT METHOD.