

AIRKEM PROFESSIONAL PRODUCTS DIV. OF ECOLAB INC. -- LIBERTY -- 7930-01-380-8472

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

Product ID:LIBERTY

MSDS Date:10/31/1994

FSC:7930

NIIN:01-380-8472

MSDS Number: BZTFR

=== Responsible Party ===

Company Name:AIRKEM PROFESSIONAL PRODUCTS DIV. OF ECOLAB INC.

Address:ECOLAB CENTER

City:ST. PAUL

State:MN

ZIP:55102

Country:US

Info Phone Num:800-247-5362

Emergency Phone Nu

m:800-328-0026

CAGE:89044

=== Contractor Identification ===

Company Name:AIRKEM PROFESSIONAL PRODUCTS/DIV OF ECOLAB INC

Address:370 N WABASHA STREET

Box:City:ST. PAUL

State:MN

ZIP:55102-1307

Country:US

Phone:800-328-0026

CAGE:89044

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

Ingred Name:SODIUM METASILICATE

CAS:6834-92-0

RTECS #:VV9275000

Fraction by Wt: 8%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NONE

Ingred Name:CONTAINS 14% GLYCOL ETHERS FOR SARA 313 REPORTING PURPO

SES.
Fraction by Wt: NA
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

Ingred Name:THIS PRODUCT CONTAINS NO OTHER COMPONENT CONSIDERED
HAZARDOUS ACCORDING TO THE CRITERIA OF 29 CFR 1910.1200.

Fraction by Wt: NA
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:SKIN AND EYE
: SEVERE CHEMICAL BURNS.

BLINDNESS. HARMFUL CONTACT MAY NOT CAUSE IMMEDIATE PAIN. IMMEDIATE
EYE FLUSHING W/WATER VITAL. INGEST: HARMFUL/FATAL. MOUTH,THROAT &
STOMACH CHEMICAL BURNS. INHALE D: DAMAGES AIRWAYS & LUNGS. EFFECTS
CANVARY FROM SLIGHT IRRITATION TO BRONCHITIS OR PNEUMONIA.

Effects of Overexposure:NOTE: BUTOXYETHANOL PENETRATES SKIN. IN
RODENTS, HEAVY DOSES DAMAGE RED BLOOD CELLS, WITH INJURY TO LIVER,
KIDNEY, AND SPLEEN. HUMANS AND OTHER SPECIES ARE MORE RESISTA
NT.

CAN INJURE EYES. NOTE: USE S OLUTIONS MAY ALSO BE CORROSIVE.

Medical Cond Aggravated by Exposure:PEOPLE WITH ASTHMA OR OTHER LUNG
PROBLEMS MAY BE MORE AFFECTED.

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

First Aid:EYES:IMMED FLUSH W/COOL RUNNING WATER.REMOVE CONTACTS. KEEP
FLUSHING AT LEAST 15 MIN,HOLDING EYELIDS APART.CALL DR IMMED.
SKIN:IMMED FLUSH W/COOL RUNNING WATER AT LEAST 15 MIN,REMOVING
CONTAMNTD CLOT HES & SHOES. INGEST:RINSE MOUTH,T
HEN DRINK 1-2 LARGE
GLASSES WATER/MILK. DON'T INDUCE VOMITING. NEVER GIVE ANYTHING BY
MOUTH IF UNCONSCIOUS. INHAL: IMMED REMOVE TO FRESH AIR. CALL POISON
CONTROL/DR.

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

Fire Fighting Procedures:PRODUCTS DOES NOT SUPPORT COMBUSTION.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CLEANUP: USE PROPER PROTECTIVE EQUIPMENT. DIKE
OR DAM

LARGE SPILLS. PUMP TO CONTAINERS OR SOAK UP ON INERT
ABSORBENT. FLUSH RESIDUE TO SANITARY SEWER.

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

Handling and Storage Precautions:KEEP FROM FREEZING. KEEP OUT OF REACH
OF CHILDREN.

Other Precautions:AVOID CONTACT WITH USE SOLUTIONS. THESE MAY ALSO BE
HAZARDOUS.

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

Respiratory Protection:AVOID BREATHING MISTS OR VAPORS OF THIS PRODUCT.

Protective Glo

ves:RUBBER GLOVES-PROTECTIVE CUFF/GAUNTLET

Eye Protection:CHEMICAL SPLASH GOGGLES/FACESHIELD

Other Protective Equipment:NK *FOR CINTINUED OR SEVERE EXPOSURE WEAR
FACE SHIELD OVER THE GOGGLES.

Supplemental Safety and Health

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

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

Spec Gravity:1.0

pH:13.4

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID; CHARACTERISTIC ODOR

===== Stability and Reactivity Data ==

=====

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:DO NOT MIX WITH ANYTHING BUT WATER.

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

Waste Disposal Methods:CONSULT STATE AND LOCAL AUTHORITIES FOR
RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. UNUSED PRODUCT AS A
WASTE IS CORROSIVE (D002) BY RCRA CRITERIA.

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

This information is formulated for use by elements o

f 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.