

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 ==

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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.

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