

AIRKEM PROFESSIONAL PRODUCTS DIV. OF ECOLAB INC. -- LIFT OFF N.A. -- 7930-01-380-8442

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

Product ID:LIFT OFF N.A.

MSDS Date:09/10/1992

FSC:7930

NIIN:01-380-8442

MSDS Number: BVGVR

=== 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

Emerge

ncy Phone Num: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 HYDROXIDE (CAUSTIC SODA)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 4%

Other REC Limits:2 MG/M3 CEILING

ACGIH TLV:2 MG/M3 CEILING

EPA Rpt Qty:1000 LBS

DOT Rpt Qt

y:1000 LBS

Ingred Name:ETHANOLAMINE (MEA)

CAS:141-43-5

RTECS #:KJ5775000

Fraction by Wt: 13%

Other REC Limits:7.5 MG/M3

ACGIH TLV:8 MG/M3

Ingred Name:GLYCOL ETHERS (THIS PRODUCT CONTAINS 7% GLYCOL ETHER)

CAS:122-99-6

RTECS #:KM0350000

Fraction by Wt: 7%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:SKIN/EYES: SEVERE CHEMICAL BURNS. EYE CONTACT

MAY CAUSE BLINDNESS. HARMFUL CONTACT MAY NOT CAUSE

IMMEDIATE PAIN. IF EYE CONTACT,IMMEDIATE FLUSHING WITH VITAL.

INGEST: HARMFUL/FATAL. MOUTH/THROAT/STOMA CH CHEMICAL BURNS. INHAL: DAMAGES AIRWAYS & LUNGS. EFFECTS CAN VARY FROM SLIGHT IRRITATION TO BRONCHITIS OR PNEUMONIA.

Effects of Overexposure:NOTE: USE SOLUTIONS 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:EYE:IMMED FLUSH W/COOL RUNNING WATER.REMOVE CONTACT LENSES.CONTINUE FLUSH AT LEAST 15 MIN,HOLD EYELIDS OPEN.CALL DR IMMED.SKIN:IMMED FLUSHING W/COOL RUNNING WATER AT LEAST 15 MIN,REMOVING CONTAM CLOTH ES & SHOES.WASH CLOTHES BEFORE REUSE.INGEST:RINSE MOUTH IMMED,THEN DRINK 1-2 LRG GLASSES WATER/MILK.DON'T INDUCE VOMIT.NOTHING BY MOUTH TO UNCONSCIOUS.INHAL:MOVE TO FRESH AIR.CALL POISON CTR/DR IMMED.

===== Fire Fig

Handling Measures =====

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

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

Spill Release Procedures: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.  
Other Precautions:KEEP OUT OF REACH  
OF CHILDREN. AVOID CONTACT WITH EYES  
AND SOLUTIONS. THESE MAY ALSO BE HAZARDOUS.

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

Respiratory Protection:AVOID BREATHING MISTS OR VAPORS OF THIS PRODUCT.  
Protective Gloves:RUBBER GLOVES-PROTECTIVE CUFF/GAUNTLET  
Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD  
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:212F,100C  
Spec Gravity:1.0  
pH:13.5  
Solubility  
in Water:COMPLETE  
Appearance and Odor:CLEAR BLUE/GREEN LIQUID; CITRUS ODOR

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

Stability Indicator/Materials to Avoid:YES  
Stability Condition to Avoid:DO NOT MIX WITH ANYTHING BUT WATER. KEEP  
FROM FREEZING.

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

Waste Disposal Methods:CONSULT STATE AND LOCAL AUTHORITIES FOR  
RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. UNUSED PRODUCT AS A  
WASTE IS CORROSIVE

SIVE (D002) BY RCRA CRITERIA.

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