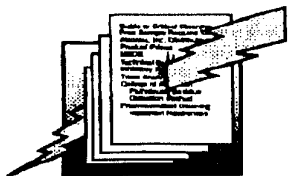


BIW 51

Document #111



ALCONOFAX

Automated Product
And Technical Data
SYSTEM

ALCONOX, Inc.
9 EAST 40TH STREET, SUITE 200
NEW YORK, NY 10016
(212) 532-4040
24 HOUR EMERGENCY NUMBER
(CHEM-TEL) (800) 255-3924

Alconox®

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

Product Name (As appears on label)	ALCONOX®
CAS Registry Number	Not Applicable
Effective Date	March 1, 1998
Chemical Family	Anionic Powdered Detergent

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

There are no hazardous ingredients in ALCONOX® as defined by the OSHA Standard and Hazardous Substance List 29 CFR 1910 Subpart Z.

III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (F):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Vapor Density (AIR=1):	Not Applicable
Specific Gravity (Water=1):	Not Applicable
Melting Point:	Not Applicable
Evaporation Rate (Butyl Acetate=1):	Not Applicable
Solubility in Water:	Appreciable—Soluble to 10% at ambient conditions.
Appearance:	White powder interspersed with cream colored flakes.

IV. FIRE AND EXPLOSION DATA

Flash Point (Method Used):	None
Flammable Limits:	LEL: No Data UEL: No Data
Extinguishing Media:	Water, dry chemical, CO ₂ , foam
Special Firefighting Procedures:	Self-contained positive pressure breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.
Unusual Fire and Explosion Hazards:	None

V. REACTIVITY DATA

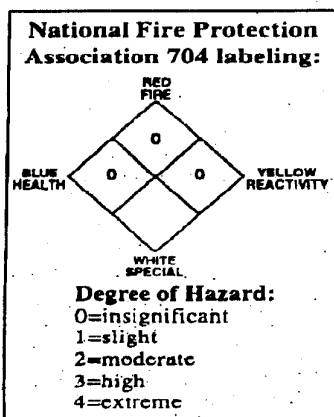
Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility (Materials to Avoid):	None
Hazardous Decomposition or Byproducts:	May release CO ₂ on burning

VI. HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation? Yes Skin? No Ingestion? Yes
Health Hazards (Acute and Chronic):	Inhalation of powder may prove locally irritating to mucous membranes. Ingestion may cause discomfort and/or diarrhea. Eye contact may prove irritating.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No



ALCONOX, Inc.
 9 EAST 40TH STREET, SUITE 200
 NEW YORK, NY 10016
 (212) 532-4040
24 HOUR EMERGENCY NUMBER
 (CHEM-TEL) (800) 255-3924



Page 2 of 2

ALCONOX® MATERIAL SAFETY DATA SHEET (cont'd)

Signs and Symptoms of Exposure:

Exposure may irritate mucous membranes. May cause sneezing.

Medical Conditions Generally Aggravated by Exposure:

Not Established. Unnecessary exposure to this product or any industrial chemical should be avoided. Respiratory conditions may be aggravated by powder.

Emergency and First Aid Procedures:

Eyes—Immediately flush eyes with water for at least 15 minutes. Call a physician.
Skin—Flush with plenty of water.
Ingestion—Drink large quantities of water or milk. Do not induce vomiting. If vomiting occurs re-administer fluids. See a physician for discomfort.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Released or Spilled:

Material foams profusely. Recover as much as possible and flush remainder to sewer.

Waste Disposal Method:

Material is biodegradable. Small quantities may be disposed of in sewer. Large quantities should be disposed of in accordance with local ordinances for detergent products.

Precautions to be Taken in Storing and Handling:

Material should be stored in a dry area to prevent caking.

Other Precautions:

No special requirements other than the good industrial hygiene and safety practices employed with any industrial chemical.

VIII. CONTROL MEASURES

Respiratory Protection (Specify Type): Ventilation:

Dust mask—Recommended
Local Exhaust—Normal
Special—Not Required
Mechanical—Not Required
Other—Not Required

Protective Gloves:

Impervious gloves are useful but not required.

Eye Protection:

Goggles are recommended when handling solutions.

Other Protective Clothing or Equipment: Work/Hygienic Practices:

None
 No special practices required.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY IS EXPRESSED OR IMPLIED.



ALCONOX, Inc.
9 EAST 40TH STREET, SUITE 200
NEW YORK, NY 10016
(212) 532-4040
24 HOUR EMERGENCY NUMBER
(CHEM-TEL) (800) 255-3924

Liqui-Nox®

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

Product Name (As appears on Label): LIQUI-NOX®
CAS Registry Number: Not Applicable
Date Prepared: March 1, 1998
Chemical Family: Anionic Liquid Detergent

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

There are no hazardous ingredients in LIQUI-NOX® as defined by the OSHA Standard and Hazardous Substance List 29 CFR 1910 Subpart Z.

III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 214°F
Vapor Pressure (mm Hg): No Data
Vapor Density (AIR =1): No Data
Specific Gravity (Water=1): 1.075
Melting Point: Not Applicable
Evaporation Rate (Butyl Acetate = 1): Slower
Solubility in Water: Completely soluble in all proportions.
Appearance: Yellow liquid, nearly odorless

IV. FIRE AND EXPLOSION DATA

Flash Point: None (Cleveland Open Cup)
Flammable Limits: LEL: No Data UEL: No Data
Extinguishing Media: Water, Dry Chemicals, CO₂, Foam
Special Firefighting Procedures: Self-contained positive pressure breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.
Unusual Fire and Explosion Hazards: None.

V. REACTIVITY DATA

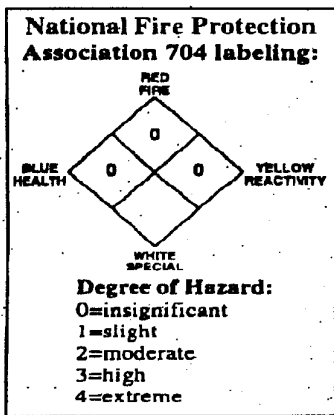
Stability: Stable
Conditions To Avoid: None
Incompatibility (Materials To Avoid): Oxidizing agents.
Hazardous Decomposition Or Byproducts: May release SO₂ on burning.

VI. HEALTH HAZARD DATA

Routes of Entry: **Inhalation?** No
Skin? Yes
Ingestion? Yes
Health Hazards (Acute and Chronic): Skin contact may prove locally irritating, causing drying and/or chapping. Ingestion may cause discomfort and/or diarrhea.
Carcinogenicity: **NTP?** No
IARC Monographs? No
OSHA Regulated? No



ALCONOX, Inc.
9 EAST 40TH STREET, SUITE 200
NEW YORK, NY 10016
(212) 532-4040
24 HOUR EMERGENCY NUMBER
(CHEM-TEL) (800) 255-3924



LIQUI-NOX® MATERIAL SAFETY DATA SHEET (cont'd)

Signs and Symptoms of Exposure: Prolonged skin contact may cause drying and/or chapping.

Medical Conditions Generally Aggravated by Exposure: Not established. Unnecessary exposure to this product or any industrial chemical should be avoided.

Emergency and First Aid Procedures:
Eyes—Immediately flush with water for at least 15 minutes
Skin—Flush with plenty of water
Ingestion—Drink large quantities of water or milk. See a physician for discomfort.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Released or Spilled: Material foams profusely. For small spills recover as much as possible with absorbent material and flush remainder to sewer. Material is biodegradable. Small quantities may be disposed of in sewer. Large quantities should be disposed of in accordance with local ordinances for detergent products.

Waste Disposal Method:

Precautions to be Taken in Storing and Handling: No special precautions in storing. Use protective equipment when handling undilute material.

Other Precautions: No special requirements other than good industrial hygiene and safety practices employed with any industrial chemical.

VIII. CONTROL MEASURES

Respiratory Protection (Specify Type): Not Required
Ventilation: Local Exhaust—Normal
 Special—Not Required
 Mechanical—Not Required
Other—Not Required

Protective Gloves: Impervious gloves are recommended.

Eye Protection: Goggles and/or splash shields are recommended.

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: No special practices required.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY IS EXPRESSED OR IMPLIED.