MATERIAL SAFETY DATA SHEET

emergency telephone (262) 251-4977

Section 1 - Chemical Product and Company Identification

Name: **Alliance Group, Inc.** Address: N114 W18621 Clinton Drive
City: Germantown State: Wisconsin Zip Code: 53022
Product name: **BWT-196**
Product code: 0196

Section 2 - Composition/Information on Ingredients

CAS Number	Chemical Component	%
1310-58-3	Potassium hydroxide	<10.0%

Exposure limits

Item	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-Ceiling	Company TLV-TWA	Company Skin
01	2 mg/m3	2 mg/m3*	2 mg/m3	2 mg/m3	2 mg/m3	No

(See section 16 for abbreviations legend), *-Ceiling Value

Section 3 - Hazards Identification

Emergency Overview: Harmful if inhaled. Harmful if swallowed. Causes severe skin and eye burns.

Eyes: Corrosive. Will cause eye burns and permanent tissue damage.

Skin: Corrosive. Causes permanent skin damage (scarring).

Ingestion: Corrosive and may cause severe and permanent damage to mouth, throat and stomach.

Inhalation: As any acid or caustic, breathing product may irritate the nose and throat and cause burns in the respiratory tract which may lead to permanent damage.

Principal Routes of entry: Skin Contact, Inhalation, Ingestion, Eye Contact.

Chronic Effects of Overexposure: No information

Carcinogenicity Status: Not listed or regulated by IARC, NTP, or OSHA.

Section 4 - First Aid Measures

First Aid Procedure-Never give fluids or induce vomiting if patient is unconscious or having convulsions.
CALL A PHYSICIAN

Eyes: Immediately flush with large amounts of cool water for 15 minutes, holding lids apart. Get medical attention immediately. Washing within one minute is essential to achieve maximum effectiveness.

Skin: Wash with soap and water. Remove contaminated clothing. Get medical attention immediately. Wash clothing separately before reuse.

Ingestion: If swallowed, DO NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, or cyanosis (blue discoloration of the skin or lips) is noted, qualified personnel may administer oxygen. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: N.A.
Flammable Limits lfl: N/A ufl: N/A
Autoignition temperature: Not Determined
Extinguishing Media: foam, water fog, dry chemical
Unusual Fire and Explosion Hazards: In water solutions caustic can react with amphoteric metals such as aluminum generating Hydrogen which is flammable and/or explosive if ignited.

Special Fire Hazards and Equipment Required: Fire fighters should use (MSHA/NIOSH Approved or equivalent)self-contained breathing apparatus, and full protective gear as in any fire. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Cool containers with water spray.

Section 6- Accidental Release Measures

Steps to be taken in case of spills: Evacuate area of unprotected personnel. Wear appropriate respiratory protection equipment including a self contained breathing apparatus and protective gear(see Sec. 8). Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Follow all government regulations. Acting cautiously, small accidental spills of caustic solution should be carefully flushed with water. Dilute acid, preferably acetic acid, may be used to neutralize only the final traces of caustic after flushing.

Section 7 - Handling and Storage

Precautions to be taken in handing and Storage: Store in a secure, dry, clean area. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Avoid excessive heat. Store under a controlled environment. Avoid storing next to strong acids.

Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.

Section 8 - Exposure Control/Personal Protection

Protective Equipment:
Eyes: Chemical splash goggles and face shield. Do not wear contact lenses.
Gloves: Impervious gloves. Rubber or Neoprene. . Consult your glove manufacture for compatibility's. Gloves of other chemically resistant materials may not provide adequate protection.
Other: Rubber Apron, Gauntlets, Eye wash, Safety shower. Where splashing is possible, fully chemically resistant protective clothing (e.g. caustic suit) and boots are required.
Ventilation Requirements: Good general ventilation should be sufficient to control airborne levels. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/Label precautions even after the container is emptied because they may contain product residues. Avoid prolonged and repeated contact with the skin, eyes, and clothing.

Section 9-Physical and Chemical Properties

Solid: Liquid: X
Specific Gravity: 1.2
Solubility in water: Soluble
Viscosity: N.D.
Vapor Density: Heavier than air
Odor Threshold: N.D.
Appearance: Colorless
Odor: Sweet-musty odor
Freezing Point: 32 F
pH: >13
Boiling Range: 212-270 F
Vapor Pressure: N.D.
Coefficient of Water/Oil Distribution: N.D.
Evaporation Rate: Slower than butyl acetate

Section 10- Stability and Reactivity

Product Stable: No Yes X under normal conditions
Hazardous Polymerization: Will not occur under normal conditions

Conditions to avoid: No information.
Incompatibility: Acids. Product is a strong caustic alkali. May react violently with water, acid, and a number of organic compounds. Caustic reacts rapidly with aluminum, tin, and zinc. It also reacts with bronze and brass.

Hazardous Decomposition Products: No information.

Section 11 - Toxicological Properties

No product or component toxicological information is available.

Section 12 - Ecological Information

Ecological Information: No information.

Section 13 - Disposal Information

Disposal Method: Follow all federal, state and local regulations.

Section 14 - Transportation Information

DOT Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, NOS
DOT Technical Name: contains potassium hydroxide
DOT Hazard Class: Class 8
DOT UN/NA Number: UN3266 Packing Group: II Resp. Guide Page 60

Section 15 - Regulatory Information

U.S. Federal Regulations: As follows
OSHA: Hazardous by definition of Hazardous Communication Standard (29 CFR 1910.1200)

CERCLA - SARA Hazard Category:
This product has been reviewed according to the EPA Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
Immediate Health Hazard

SARA Section 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

Chemical Name	CAS #	wt/wt% Is less than

No SARA Section 313 components exist in this product.

Toxic Substances Control Act
The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Chemical Name	CAS #

No information is available

International Regulations: As follows
Canadian WHMIS: This MSDS has been prepared in compliance with the Controlled Product Regulations except for the use of the 16 headings.
Canadian WHMIS Class: No information

Section 16 - Other Information

HMIS RATING

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

Legend: N.A. - Not Applicable N.E. - Not Established
N.D. - Not Determined
The above information is believed to be accurate and discloses the known hazards for this product as of this date. No additional warranties are made. Date: June 7, 1996 By: D.C Miller