

**MATERIAL SAFETY DATA SHEET**  
emergency telephone (262) 251-4977

---

---

**Section I - Chemical Product and Company Identification**

---

---

Name: **Alliance Group, Inc.** Address: N114 W18621 Clinton Drive  
City: Germantown State: Wisconsin Zip Code: 53022  
Product name: BD-4409  
Product code: 0189

---

---

**Section II - Composition/Information on Ingredients**

---

---

CAS Number	Chemical Component	%	OSHA Hazard
9003-04-7	Propenoic Acid, Sodium Carbonate Polymer	<3	No
1310-73-2	Sodium Hydroxide	<1	YES

(See section 16 for abbreviations)

---

---

**Section III - Hazards Identification**

---

---

Physical State: Liquid

Color: Clear. Light Yellow

Odor: No odor

Emergency Overview: **WARNING!**; Causes eye and skin irritation. May cause respiratory irritation. May be harmful if swallowed. May be harmful if inhaled.

Potential Health Effects

Routes of Exposure: Eyes. Inhalation. Skin. Ingestion.

Target Organs: None known.

Eyes: May cause mild to severe irritation. May cause: burning. Permanent eye damage may result from contact with this product. Effects may vary depending on length of exposure, solution concentration and first aid measures.

Skin: May cause mild to moderate irritation. Contact may cause drying, burning.

Skin Absorption: No data.

Ingestion: May cause mild irritation. May cause burning sensation, pain.

Inhalation: May cause moderate irritation. May irritate or burn nose, throat, and respiratory tract. Vapors or mists may cause headache, nausea, burning sensation.

Medical conditions aggravated by exposure to product: Eye disorders, Respiratory system disorders, skin disorders.

Carcinogenic Ingredients: This product does not contain greater than 0.1% of the known or potential carcinogens listed in OSHA, NTP, or IARC.

---

---

#### Section IV - First Aid Measures

---

---

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

**CALL A PHYSICIAN**

Eyes: Immediate flush with large amounts of cool water for 15 minutes while holding eyelids apart. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

Skin: Flush skin with plenty of water while removing contaminated clothing and shoes. Wash with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Ingestion: Wash out mouth with water provided person is conscious. Call a physician immediately. Give several glasses of water to drink to dilute. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. Obtain immediate medical attention if breathing becomes difficult or respiratory irritation occurs.

---

---

#### Section V - Fire Fighting Measures

---

---

Flash Point: N/A                      Flammable Limits              lfl: N/A    ufl: N/A

Autoignition temperature: Not Determined

Extinguishing Media: For fires in area use appropriate media. For example: CO<sub>2</sub>, foam, water fog, dry chemical, alcohol foam. Do not use direct water stream.

Fire Fighting Methods: Evacuate area of unprotected personnel. Fire fighters should use self-contained breathing apparatus, and full protective gear as in any fire. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed container.

Fire and Explosion Hazards: None known

Hazardous Combustion Products: Acrylic monomers. Carbon dioxide. Carbon monoxide. Hydrocarbons. Irritating vapors.

---

---

#### Section VI- Accidental Release Measures

---

---

Steps to be taken in case of spills: Evacuate unprotected personnel from area. Wear protective gear (see Sec. VIII). Maintain adequate ventilation. Never exceed any occupational exposure limit. Contain on absorbent medium (dry sand or earth). CAUTION: Spilled material may be slippery. Collect spill and store in labeled, approved drums for disposal. Follow all government regulations. Avoid run off into storm sewers and ditches which lead to waterways. Notify authorities if entry occurs.

---

---

#### Section VII - Handling and Storage

---

---

Precautions to be taken in handling and Storage: Store in a secure, cool, well ventilated dry area out of direct sunlight and away from heat. Keep

away from incompatible materials. Keep container tightly closed when not in use. Wash thoroughly after handling. Keep from freezing. Store between 34 degrees F and 120 degrees F.

Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Avoid breathing vapors, mists, or dusts. Do not eat, drink or smoke in work area. Empty containers retain product residues (vapor, dust, or liquid) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death.

---

---

### Section VIII - Exposure Control/Personal Protection

---

---

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. Avoid creating dust or mist. Maintain adequate ventilation. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure limits, monitoring should be performed regularly. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Respiratory Protection:** None required under normal use. If vapor, dust or mist is present, wear: NIOSH-Approved air-purifying respirator with: Organic vapor cartridge and dust/mist filter. 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.

**Protective Equipment:**

**Eyes:** Chemical safety goggles. Eye protection worn, must be compatible with respiratory protection system employed. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

**Gloves:** Impervious gloves. Neoprene.

**Other:** Rubber Apron, Gauntlets, Eye wash, Safety shower, rubber boots, chemical suit.

**Hygienic Practices:** Wash with soap and water before meal times and at the end of each work shift.

**Exposure Guidelines:**

Component	OSHA	STEL/C	ACGIH	STEL/C
	PEL		TWA	
Propenoic Acid, Sodium Carbonate Polymer	Not Estab	Not Estab	Not Estab.	Not Estab
Sodium Hydroxide	2 mg/m3 Not Estab.	Not Estab. C 2 mg/m3 +	Not Estab.	C 2mg/m3

NOTE: S= Skin notation + Vacated 1989 OSHA PEL(s)

---

---

### Section IX-Physical and Chemical Properties

---

---

Specific Gravity: 1.02

Odor: None

Solubility in water: Complete

Freezing Point: 32 F

% Volatiles: N.D.

pH: 11-11.5(as is)

Vapor Density:N.D.  
Evaporation Rate: N.D.  
Vapor Pressure: N.D.

Boiling Range: N.A.  
Odor Threshold: N.A.

---

---

### Section X- Stability and Reactivity

---

---

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

Conditions to avoid: Avoid elevated temperatures.  
Incompatibility: Strong oxidizing agents. Food Sugars.  
Deadly carbon monoxide gas can form in enclosed or poorly ventilated areas or tanks when alkaline products contact food, beverage, or dairy products. Do not enter such areas until they have been well ventilated and carbon monoxide and oxygen levels have been determined to be within OSHA acceptable limits. If carbon monoxide and oxygen levels cannot be measured, wear NIOSH approved, self contained breathing apparatus.

Hazardous Decomposition Products: Acrylic monomers. Carbon monoxide. Carbon dioxide. Hydrocarbons. Irritating vapors.

---

---

### Section XI - Toxicological Properties

---

---

LD50 Oral:No Data LD50 Skin:No Data LC50 Inhalation: No Data

---

---

### Section XII - Ecological Information

---

---

Ecological Information: No data available  
Chemical Fate Information: No data available.

---

---

### Section XIII - Disposal Information

---

---

Disposal Method: Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations.  
Follow all federal, state and local regulations.  
Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Since emptied containers retain product residue, follow label warnings even after container is emptied. Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and / or laws governing your location.

---

---

### Section XIII - Transportation Information

---

---

DOT Proper Shipping Name: Compound, Boiler Cleansing, Preserving  
DOT Technical Name:  
DOT Hazard Class:  
DOT UN/NA Number: Packing Group: Resp. Guide Page

---

---

**Section XV - Regulatory Information**

---

---

U.S. Federal Regulations: As follows

OSHA: Hazardous by definition of Hazardous Communication Standard (29 CFR 1910.1200)

SARA Title III Section 311/312 Category:

Immediate (acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: NO

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

SARA Section 302/304/313/HAP:

Component	RQ (lbs) (*1)	RQ (LBS) (*2)	TPQ (Lbs) (*3)	SEC 313 (*4)	HAP (*5)
Propenoic Acid,					
Sodium	N.A.	N.A.	N.A.	No	No
Sodium Hydroxide	1000	N.A.	N.A.	No	No

\*1=CERCLA Reportable Quantity

\*2=SARA Reportable Quantity

\*3=SARA EHS Threshold Planning Quantity

\*4=SARA 313 Toxic Chemical/Category

\*5=U.S. EPA Hazardous Air Pollutant

Toxic Substances Control Act

The chemical substances in this product are on the TSCA Section 8 Inventory or are exempt.

California-The following components are listed under Prop 65:

Mercury (as Hg) (.01 ppm max)

Heavy metals (as Pb) (0.1 ppm max)

Nickel (Ni) 0.03 ppm max)

Wisconsin: The following components are listed as a Wisconsin HAP: NONE

---

---

**Section XVI - Other Information**

---

---

HMIS RATING

HEALTH

2

FLAMMABILITY

0

REACTIVITY

0

\*= Chronic Health Hazard

NFPA RATING

2

0

0

Special Hazard: None

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: February 18, 2004 By: D.C Miller