

## BD-0177

SDS Number: 0177

Revision Date: 4/1/2020

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### 1 PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer**

Alliance Group Inc. 262-251-4977  
N114 W18621 Clinton Drive  
Germantown, WI 53022

**Phone:** 800-255-3924**Emergency:** CHEMTEL

**Product Identifier:** BD-0177  
**SDS Number:** 0177  
**Revision Date:** 4/1/2020  
**Chemical Family:** Acrylic Polymers  
**Product Use:** Water Treatment Compound

### 2 HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture****GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Skin corrosion/irritation, 1 B  
Health, Serious Eye Damage/Eye Irritation, 1  
Health, Acute toxicity, 5 Oral  
Health, Acute toxicity, 5 Inhalation  
Health, Specific target organ toxicity - Repeated exposure, 2

**GHS Label Elements, Including Precautionary Statements****GHS Signal Word:** **DANGER****GHS Hazard Pictograms:****GHS Hazard Statements:**

H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage  
H303 - May be harmful if swallowed  
H333 - May be harmful if inhaled  
H373 - May cause damage to organs through prolonged or repeated exposure

**GHS Precautionary Statements:**

P264 - Wash thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P314 - Get Medical advice/attention if you feel unwell.  
P332+313 - If skin irritation occurs: Get medical advice/attention.  
P403+235 - Store in a well ventilated place. Keep cool.

**Hazards not Otherwise Classified (HNOC) or not Covered by GHS****Route of Entry:** Eyes; Ingestion; Inhalation; Skin;**Target Organs:** No data available.



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**Inhalation:** May be corrosive to respiratory tract. Severe irritation and burns may result.  
**Skin Contact:** May cause moderate to severe irritation.  
**Eye Contact:** May cause mild to severe irritation. May cause permanent eye damage.  
**Ingestion:** May be harmful if swallowed. May be corrosive to gastrointestinal tract.

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

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## COMPOSITION/INFORMATION OF INGREDIENTS

Substance/Mixture: Mixture

CAS#	Chemical %	Chemical Ingredients: Chemical Name:
71050-62-9		Phosphino Carboxylic Acid
26099-09-2		Polymaleic Acid
1310-73-2	<10%	Sodium hydroxide solution

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## FIRST AID MEASURES

**Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention; consult physician.  
**Skin Contact:** Wash with soap and plenty of water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.  
**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention if irritation persists  
**Ingestion:** Do not induce vomiting. Rinse mouth with water. Get prompt, qualified medical attention.

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## FIRE FIGHTING MEASURES

**Flammability:** Not flammable or combustible.  
**Flash Point:** No data available.  
**Flash Point Method:** No data available.  
**Burning Rate:** No data available.  
**Autoignition Temp:** No data available.  
**LEL:** No data available.  
**UEL:** No data available.

## Fire Fighting Methods

Evacuate area of unprotected personal. Wear protective clothing including NIOSH Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire exposed containers and disperse vapors.



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### Extinguishing Media

**Suitable:** Use water spray, alcohol-resistant foam for extinction, carbon dioxide, dry chemical

**Unsuitable fire extinguisher:** No data available.

**Unusual Fire or Explosion Hazards:** No data available.

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## ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### Environmental Precautions

Contain spill, place in drums for proper disposal. Neutralize remaining residue with dilute acid solution and dispose of properly. Avoid direct discharge into sewer drains. Discharge into the environment must be avoided.

### Spill

Soak up with absorbent pad or inert absorbent material and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal. Watch out for slippery conditions when spillage. Flush remaining area with water to remove trace residue and dispose of properly.

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## HANDLING AND STORAGE

### Handling Precautions:

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Do not puncture or drop containers.  
Do not expose containers to open flame, excessive heat, or direct sunlight.

### Storage Requirements:

Store in cool/dry area. Keep containers tightly closed when not in use. Keep away from incompatible materials.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Provide local exhaust ventilation. Maintain adequate ventilation. Do not used in closed or confined spaces.

### Personal Protective Equipment:

Hygiene Measures:  
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.  
Respiratory:  
No personal respiratory protective equipment is required. Where risk assessment shows air-purifying respirators are appropriate then use a full-face respirator with multi-purpose combination (US). If the respirator is the sole means of protection, use a full-face supplied air respirator,  
Eyes and Face:  
Wear chemical safety goggles while handling this product.  
Skin:  
For prolonged or repeated contact use protective gloves

Component	OSHA PEL	ACGIH TWA/ TLV
Sodium Hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> - ceiling concentration

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## PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear. Amber-yellow liquid



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<b>Physical State:</b>	Liquid
<b>Odor:</b>	Mild odor.
<b>Odor Threshold:</b>	No data available.
<b>Molecular Formula:</b>	No data available.
<b>Particle Size:</b>	No data available.
<b>Solubility:</b>	Complete
<b>Spec Grav./Density:</b>	1.09
<b>Softening Point:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Percent Volatile:</b>	No data available.
<b>Saturated Vapor Concentration:</b>	No data available.
<b>Heat Value:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Freezing/Melting Pt.:</b>	32° F
<b>Flammability:</b>	Not flammable
<b>Flash Point:</b>	No data available.
<b>Partition Coefficient:</b>	No data available.
<b>Octanol:</b>	No data available.
<b>Vapor Pressure:</b>	No data available.
<b>Vapor Density:</b>	No data available.
<b>pH:</b>	10.5-11.0
<b>VOC:</b>	No data available.
<b>Evap. Rate:</b>	No data available.
<b>Bulk Density:</b>	No data available.
<b>Molecular weight:</b>	No data available.
<b>Auto-Ignition Temp:</b>	No data available.
<b>Decomp Temp:</b>	No data available.
<b>UFL/LFL:</b>	No data available.

Lower Explosion Limits: No data available.

Upper Explosion Limits: No data available.

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## STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	May react with certain metals to produce flammable hydrogen gas. Reaction with various food sugars may form carbon monoxide.
<b>Materials to Avoid:</b>	Avoid acids. Metals such as aluminum, zinc, tin. Magnesium, chromium, brass, bronze, copper, lead, organic materials, organic nitro compounds. Strong oxidizing agents
<b>Hazardous Decomposition:</b>	Acrylic monomers, carbon monoxide, carbon dioxide, hydrocarbons.
<b>Hazardous Polymerization:</b>	Will not occur.

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## TOXICOLOGICAL INFORMATION

Toxicity Data:

<b>Acute Inhalation Effects:</b>	No data available.
<b>Chronic Effects:</b>	No data available.
<b>Mutagenicity:</b>	No data available.
<b>Teratogenicity:</b>	No data available.
<b>Fertility Effects:</b>	No data available.



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**DERMAL:** May be corrosive to skin. Severe irritation or burns may result.

- » Sodium Hydroxide Dermal LD50 - no data available
- » Phosphino Carboxylic Acid Dermal LD50 -no data available

**EYE:** Serious eye damage/eye irritation

- » Sodium Hydroxide Eyes - no data available
- » Phosphino Carboxylic Acid Eyes - rabbit - non irritant

**INHALATION:** May be corrosive to respiratory tract. Dusts or mists may irritate nose, mouth, throat, respiratory tract. May cause coughing, sneezing, running nose, sore throat. Effects may be delayed.

- » Sodium Hydroxide Inhalation LC50 - no data available
- » Phosphino Carboxylic Acid Inhalation LC50 -no data available

**ORAL:** May be corrosive to GI Tract. Severe irritation and burns may result. May damage mouth, throat, stomach and gastrointestinal tract.

- » Sodium Hydroxide Oral LD50 no data available
- » Phosphino Carboxylic Acid Oral LD50 -rat- >5000 mg/kg

### **Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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### ECOLOGICAL INFORMATION

**Biodegradability:** No data available.

### Ecotoxicity:

**Toxicity to fish:** LC50- *Orcorhynchus mykiss* (rainbow trout) > 1000 mg/L- 96 hr

**Toxicity to aquatic invertebrates:** EC50- *Daphnia magna* (Water flea) >350 mg/L- 48 Hr

**Persistence and degradability:** The methods for determining the biological degradability are not applicable to inorganic substances.

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available



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**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL:** Dispose of in accordance with local, state, and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**RCRA:** Not considered a hazardous waste if and when it is discarded.

**NOTE:** If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal

### 14 TRANSPORT INFORMATION

Not regulated as a hazardous product. DOT classification not required.

### 15 REGULATORY INFORMATION

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

#### FEDERAL REGULATIONS

**TSCA Inventory Status:** All components of this product are listed as "Active" on the Toxic Substances Control Act (TSCA) 8 (b) Inventory.

**CERCLA / SARA Emergency Reporting:** A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements.

» **Sodium Hydroxide CERCLA Reporting Amount - 1000 lbs**

**Clean Water Act (CWA):** The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. »  
**Sodium Hydroxide**

**RCRA:** The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes.

» **Waste Code D002 = Corrosivity**

#### STATE REGULATIONS

**California - Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer and/or reproductive harm.

**Massachusetts - RTK Substances:** The following components are listed: Sodium Hydroxide (CAS# 1310-73-2)

**New Jersey - RTK Substances:** The following components are listed: Sodium Hydroxide (CAS# 1310-73-2)

**Pennsylvania - RTK Substances:** The following components are listed: Sodium Hydroxide (CAS# 1310-73-2)



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## OTHER INFORMATION

Prepared By: P May

Reason For Revision: Updated GHS & Regulatory Information

**Disclaimer:**

This information is given in good faith and based on our current knowledge of the product. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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