ARMEX™ Blast Media
Maintenance, Maintenance XL, Maintenance XL with SupraKleen™, Flow M, Flow XL, Hydro Flex™ XL, Composite, Electronics, Electronics P, Anilox Roll Cleaning, and Microblend H Formulas

Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 05/12/2015  Date of issue: 05/12/2015  Version: 1.0

SECTION 1: IDENTIFICATION
Product Identifier
Product Form: Substance
Product Name: ARMEX™ Blast Media
CAS No: 144-55-8
Formula: NaHCO₃

Intended Use of the Product
Blast Media.

Name, Address, and Telephone of the Responsible Party
Company
Church & Dwight
500 Charles Ewing Blvd
Ewing Township, NJ 08628
T 1-800-332-5424
www.churchdwight.com

Emergency Telephone Number
Emergency Number : For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION
Classification of the Substance or Mixture
Classification (GHS-US)
Not classified

Label Elements
GHS-US Labeling
No labeling applicable

Other Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>(CAS No) 144-55-8</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES
Description of First Aid Measures
General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation: When symptoms occur: go into open air and ventilate suspected area.

Skin Contact: Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.

Most Important Symptoms and Effects Both Acute and Delayed
General: None expected under normal conditions of use.

Inhalation: Prolonged inhalation of dust may cause respiratory irritation.
ARMEX™ Blast Media

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

- **Skin Contact**: Skin contact with large amounts of dust may cause mechanical irritation.
- **Eye Contact**: Contact may cause irritation due to mechanical abrasion.
- **Ingestion**: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.
- **Chronic Symptoms**: None expected under normal conditions of use.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media**

- **Suitable Extinguishing Media**: Use extinguishing media appropriate for surrounding fire.
- **Unsuitable Extinguishing Media**: For surrounding fire: Use of heavy stream of water may spread fire.

**Special Hazards Arising From the Substance or Mixture**

- **Fire Hazard**: NOT FLAMMABLE. Under fire conditions, hazardous fumes will be present.
- **Explosion Hazard**: Product is not explosive.

**Reactivity**: Hazardous reactions will not occur under normal conditions.

**Advice for Firefighters**

- **Precautionary Measures Fire**: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.
- **Firefighting Instructions**: Exercise caution when fighting any chemical fire.
- **Protection During Firefighting**: Do not enter fire area without proper protective equipment, including respiratory protection.
- **Hazardous Combustion Products**: Carbon oxides (CO, CO₂). Sodium oxides.

**Reference to Other Sections**

Refer to section 9 for flammability properties.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

- **General Measures**: Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or fumes. Avoid skin and eye contact.

  - **For Non-Emergency Personnel**
    - **Protective Equipment**: Use appropriate personal protection equipment (PPE).
    - **Emergency Procedures**: Evacuate unnecessary personnel.

  - **For Emergency Personnel**
    - **Protective Equipment**: Equip cleanup crew with proper protection.
    - **Emergency Procedures**: Ventilate area.

**Environmental Precautions**

Prevent entry to sewers and public waters. Avoid release to the environment.

**Methods and Material for Containment and Cleaning Up**

- **For Containment**: Contain and collect as any solid.
- **Methods for Cleaning Up**: Clean up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.

**Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

### SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling**

- **Additional Hazards When Processed**: When heated, material emits irritating fumes.
- **Hygiene Measures**: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

**Conditions for Safe Storage, Including Any Incompatibilities**

- **Storage Conditions**: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
- **Storage Temperature**: < 65 °C (150 °F)

**Specific End Use(s)** Abrasive blast media
ARMEX™ Blast Media
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Particulates not otherwise classified (PNOC) | USA ACGIH | OSHA PEL (TWA) (mg/m³) | USA OSHA | OSHA PEL (TWA) (mg/m³) | Alberta | OEL TWA (mg/m³) | British Columbia | OEL TWA (mg/m³) | Manitoba | OEL TWA (mg/m³) | New Brunswick | OEL TWA (mg/m³) | Newfoundland & Labrador | OEL TWA (mg/m³) | Nova Scotia | OEL TWA (mg/m³) | Nunavut | OEL TWA (mg/m³) | Northwest Territories | OEL TWA (mg/m³) | Ontario | OEL TWA (mg/m³) | Prince Edward Island | OEL TWA (mg/m³) | Québec | VEMP (mg/m³) | Saskatchewan | OEL STEL (mg/m³) | Saskatchewan | OEL TWA (mg/m³) |
|---------------------------------------------|-----------|------------------------|----------|------------------------|---------|---------------|------------------|---------------|----------|---------------|-------------|----------------|------------------------|----------------|-------------|----------------|---------|----------------|----------------------|---------------|-----------|----------------|------------------|----------------|--------|---------|-------------|------------------|-------------|
| Respirable fraction                        | 3 mg/m³   | 5 mg/m³                |          | 10 mg/m³               |         | 10 mg/m³      | 10 mg/m³         |               | 10 mg/m³ | 5 mg/m³       | 3 mg/m³     | 5 mg/m³        | 10 mg/m³               |               | 10 mg/m³   | 5 mg/m³       | 10 mg/m³ | 5 mg/m³        | 10 mg/m³               |               | 10 mg/m³   | 10 mg/m³     | 5 mg/m³           | 3 mg/m³        |
| Total Dust                                  | 10 mg/m³  | 15 mg/m³               |          | 10 mg/m³               |         | 10 mg/m³      | 10 mg/m³         |               | 10 mg/m³ | 5 mg/m³       | 10 mg/m³     | 3 mg/m³        | 10 mg/m³               |               | 10 mg/m³   | 5 mg/m³       | 10 mg/m³ | 5 mg/m³        | 10 mg/m³               |               | 10 mg/m³   | 10 mg/m³     | 5 mg/m³           | 3 mg/m³        |
| Total particles, recommended                |          |                       |          |                       |         | (inhalable)   | (inhalable)      |               | (inhalable)| (inhalable)  | (inhalable) | (inhalable)  | (inhalable)               |               | (inhalable)| (inhalable)  | (inhalable)| (inhalable)  | (inhalable)               |               | (inhalable)| (inhalable)  | (inhalable)       | (inhalable)   |
| Crystalline, respirable fraction           |          |                       |          |                       |         |               |                  |               |           |               |            |                | (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) |               |           |               |            |                | (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) |               |           |               |            |                |

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White, crystalline powder</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>8.2 (1% Solution)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>
ARMEX™ Blast Media
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Decomposition Temperature: Not available
Flammability (solid, gas): Not available
Upper/Lower Flammable Limit: Not available
Vapor Pressure: Not available
Relative Vapor Density at 20 °C: Not available
Specific gravity / density: Not available
Specific Gravity: 62 lb/ft³
Solubility: Water: 8.6 g/100ml @ 20 °C (68 °F)
Partition Coefficient: Not available
Viscosity: Not available

SECTION 10: STABILITY AND REACTIVITY
Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: Decomposes slowly on exposure to water (moisture).
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Exposure to moisture or moist air. Temperatures above 150°F (65 °C).
Hazardous Decomposition Products: None known. At high temperature may liberate toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION
Information on Toxicological Effects - Product
Acute Toxicity: Not classified
LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>ARMEX™ MB-12 Blast Media</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>7.3 g/kg</td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
<td>&gt; 4.7 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Not classified [pH: 8.2 (1% Solution)]
Serious Eye Damage/Irritation: Not classified [pH: 8.2 (1% Solution)]
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Prolonged inhalation of dust may cause respiratory irritation.
Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.
Symptoms/Injuries After Eye Contact: Contact may cause irritation due to mechanical abrasion.
Symptoms/Injuries After Ingestion: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION
Toxicity: No additional information available

<table>
<thead>
<tr>
<th>ARMEX™ Blast Media</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>7100 mg/l Bluegill</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>4100 mg/l</td>
</tr>
<tr>
<td>LC50 Fish 2</td>
<td>7700 mg/l Rainbow Trout</td>
</tr>
</tbody>
</table>

Sodium Bicarbonate (144-55-8)
| LC50 Fish 1        | 8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 1     | 2350 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

05/12/2015 EN (English US) 4/5
According
Safety
ARMEX™
SECTION
SECTION
SECTION
SECTION
Other
Other
herein.
This
provides
Ewing
500
suitability
Church
this
Party
Responsible
for
the
Preparation
of
This
Document

05/12/2015
EN (English US)
5/5