



ARMEX™ Blast Media

Safety Data Sheet

According to ABNT NBR 14725-4

Revision Date: 27/01/2016

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Version: 1.0

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1. Product Identifier

Product Form: Substance

Substance name: ARMEX™ Blast Media

CAS No: 144-55-8

1.2. Intended Use of the Product

Use of the substance/mixture: Blast media

1.3. Name, Address, And Telephone Of The Responsible Party

Company

Church & Dwight

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 609-806-1200

www.churchdwright.com

1.4. Emergency Telephone Number

Emergency number

: For Medical Emergency: 1-888-234-1828 (USA and Canada), 952-853-1925

(Outside USA and Canada), For Chemical Emergency (CHEMTREC): 1-800-424-9300

(USA and Canada), 1-703-741-5970 (Outside USA and Canada)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Hazard Classification Of The Substance Or Mixture And The Classification System Used

Not classified

2.2. Appropriate Elements Of Labeling

No additional information available

2.3. Other Hazards which do not Result in Classification

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name : ARMEX™ Blast Media

CAS No : 144-55-8

Name	Product identifier	%	Classification according to ABNT NBR 14725-2
Sodium bicarbonate	(CAS No) 144-55-8	100	Aquatic Acute Not classified

3.2. Mixture

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-Aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

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

First-Aid Measures After 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.

First-Aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.

First-Aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.

Actions That Must Be Avoided: Avoid creating or spreading dust

Protection For The First Aid Staff: Use appropriate personal protection equipment (PPE)

4.2. Most Important Symptoms And Effects, Both Acute And Delayed

ARMEX™ Blast Media

Safety Data Sheet

According to ABNT NBR 14725-4

Symptoms/Injuries: None expected under normal conditions of use.

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.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Means

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.

5.2. 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.

5.3. Special Methods For Fire Fighting

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

6.1. Personal Precautions In Case Of Spillage Or Leakage

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

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Precautions For The Environment

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

6.3. Cleaning Methods

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.

6.4. Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Handling

Additional Hazards When Processed: When heated, material emits irritating fumes.

Precautions For Safe Handling: Avoid creating or spreading dust. Do not breathe dust or 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.

7.2. Storage

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Products: Acids. Lime.

Storage Temperature: < 65 °C (150 °F)

ARMEX™ Blast Media

Safety Data Sheet

According to ABNT NBR 14725-4

7.3. Specific End Use(s)

Blast media

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Particulates not otherwise regulated (PNOR) (RR-00072-6)

ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ Respirable fraction 10 mg/m ³ Total Dust
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8.2. Exposure controls

Appropriate Engineering Controls

: For occupational/workplace settings: 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.

8.3. Personal Protective Equipment

Personal Protective Equipment

: For occupational/workplace settings and bulk quantities: Gloves. Safety glasses. Dust formation: dust mask.



Materials For Protective Clothing

Hand Protection

: For occupational/workplace settings: Chemically resistant materials and fabrics.
: For occupational/workplace settings: Wear chemically resistant protective gloves.

Eye Protection

: For occupational/workplace settings: Chemical goggles or safety glasses.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Consumer Exposure Controls

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Physical and Chemical Properties

Physical State

: Solid

Appearance

: Crystalline powder with white and brown small particles

Odour

: None

Odour Threshold

: No data available

pH

: 8.2 (1% Solution)

Melting Point

: No data available

Freezing Point

: No data available

Boiling Point

: No data available

Flash Point

: No data available

Relative Evaporation Rate (Butylacetate=1)

: No data available

Flammability (Solid, Gas)

: No data available

Explosive Limits

: Not applicable

Vapour Pressure

: No data available

Relative Vapour Density At 20 °C

: No data available

Specific Gravity

: No data available

Density

: Approx. 1 g/cc

Solubility

: Water: 3.4 - 7.7 g/100ml @ 20 °C (68 °F)

Auto-ignition Temperature

: No data available

Decomposition Temperature

: No data available

Partition Coefficient: N-Octanol/Water

: No data available

Viscosity

: No data available

Explosive Properties

: No data available

Oxidising Properties

: No data available

9.2. Other information

Voc Content

: < 1 %

ARMEX™ Blast Media

Safety Data Sheet

According to ABNT NBR 14725-4

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2 Chemical Stability:** Decomposes slowly on exposure to water (moisture).
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Exposure to moisture or moist air. Temperatures above. Incompatible materials.
- 10.5 Incompatible Materials:** Acids. Lime.
- 10.6 Hazardous Decomposition Products:** None known. At high temperature may liberate toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity Oral : Oral: Not classified.

Acute Toxicity Dermal : Not classified.

Acute Toxicity Inhalation : Not classified.

ARMEX™ Blast Media (144-55-8)	
LD50 oral rat	7.3 g/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 4.7 mg/l/4h
Sodium bicarbonate (144-55-8)	
LD50 oral rat	7334 mg/kg

Skin Corrosion/Irritation: Not classified.

pH: 8.2 (1% Solution)

Serious Eye Damage/Irritation: Not classified.

pH: 8.2 (1% Solution)

Respiratory Or Skin Sensitisation: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): Not classified.

Specific Target Organ Toxicity (Repeated 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.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Aquatic Toxicity : Not classified.

Chronic Aquatic Toxicity : Not classified.

Ecology - General : Not classified.

ARMEX™ Blast Media (144-55-8)	
LC50 fish 1	7100 mg/l Bluegill, similar product
EC50 Daphnia 1	4100 mg/l, similar product
LC50 fish 2	7700 mg/l Rainbow Trout, similar product
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)

12.2. Persistence And Degradability

ARMEX™ Blast Media (144-55-8)	
Persistence And Degradability	Not established.

12.3. Bioaccumulative Potential

ARMEX™ Blast Media (144-55-8)	
Bioaccumulative Potential	Not established.

ARMEX™ Blast Media

Safety Data Sheet

According to ABNT NBR 14725-4

12.4. Mobility In Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport Information

In Accordance with UNRTDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with IMDG Not regulated for transport

SECTION 15: REGULATIONS

15.1 Regulatory Information

Sodium bicarbonate (144-55-8)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on CICR (Turkish Inventory and Control of Chemicals)

SECTION 16: OTHER INFORMATION

Revision Date : 27/01/2016

Recommended Uses And Restrictions : Abrasive Blast Media

Other Information : This document has been prepared in accordance with the SDS requirements of ABNT NBR 14725-4.

GHS Full Text Phrases:

Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute Not classified	Hazardous to the aquatic environment - Acute Hazard Not classified

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Brazil GHS SDS