



# ARMEX™ Blast Media

## Safety Data Sheet

In accordance with JIS Z 7253: 2012 and JIS Z 7252: 2009

Revision date: 2016/01/27 Date of issue: 2015/12/21

Version: 1.0

## SECTION 1: CHEMICAL IDENTIFIER AND COMPANY IDENTIFICATION

### Product Identifier

Product Form : Substance  
Substance Name : ARMEX™ Blast Media  
Cas No : 144-55-8

### Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Use Of The Substance/Mixture : Blast media

### Details Of The Supplier Of The Safety Data Sheet

#### Company

Church & Dwight  
500 Charles Ewing Blvd  
Ewing Township, NJ 08628  
T 609-806-1200

[www.churchdwight.com](http://www.churchdwight.com)

#### 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

### Classification Of The Substance Or Mixture

GHS-JP Classification Not classified

Label Elements No labeling applicable

### Other Hazards

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

Name	Concentration	Formula	Kanpo Number		CAS No
			CSCL no	ISHL no	
Sodium bicarbonate	100%	CH <sub>2</sub> O <sub>3</sub> .Na	(1)-164		144-55-8

## SECTION 4: FIRST-AID MEASURES

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

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

Personal Protection In First Aid And Measures : Use appropriate personal protection equipment (PPE).

### Most Important Symptoms And Effects, Both Acute And Delayed

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.

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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.

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment And Emergency Procedures

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

#### For Non-Emergency Personnel

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

Emergency Procedures : Evacuate unnecessary personnel.

#### 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.

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

## SECTION 7: HANDLING AND STORAGE PRECAUTIONS

### Precautions For Safe 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.

### Conditions For Safe Storage, Including Any Incompatibilities

Technical Measures : Comply with applicable regulations.

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

Material Used In Packaging/Containers : No additional information available

Storage Temperature : < 65 °C (150 °F)

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### Specific End Use(S)

Blast media

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control Parameters

#### Particulates not otherwise classified (PNO) (RR-00072-6)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	
		3 mg/m <sup>3</sup> Respirable fraction 10 mg/m <sup>3</sup> Total Dust

**Biological Limits** No data available

### 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.

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



Materials For Protective Clothing : For occupational/workplace settings: Chemically resistant materials and fabrics.

Hand Protection : 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.

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information On Basic Physical And Chemical Properties

Physical State	: Solid
Appearance	: Crystalline powder with white and brown small particles
Odor	: None
Odor Threshold	: No data available
Ph	: 8.2 (1% Solution)
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-Ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (Solid, Gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density At 20 °C	: No data available
Relative Density	: No data available
Specific Gravity / Density	: Approx. 1 g/cc
Solubility	: Water: 3.4 - 7.7 g/100ml @ 20 °C (68 °F)
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
Explosion Limits	: Not applicable

**Other Information** No data available

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Hazardous reactions will not occur under normal conditions.

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### 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. Avoid temperatures above 65.6°C (150°F). Incompatible materials.

### Incompatible materials

Acids. Lime.

### Hazardous decomposition products

None known. At high temperature may liberate toxic gases.

## SECTION 11: HAZARD INFORMATION

### Information on toxicological effects

Acute toxicity : Not classified

#### ARMEX™ Blast Media Updated (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
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: 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
Potential Adverse human health effects and symptoms	: Not classified
Other information	: Not classified

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

#### 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)

### Persistence and degradability

#### ARMEX™ Blast Media (144-55-8)

Persistence and degradability	Not established.
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### Bioaccumulative potential

#### ARMEX™ Blast Media (144-55-8)

Bioaccumulative potential	Not established.
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**Mobility in soil** No data available

### Other adverse effects

Other information : Avoid release to the environment.

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### SECTION 13: NOTES ON DISPOSAL

#### Waste treatment methods

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

### SECTION 14: TRANSPORT INFORMATION

**In accordance with UN TDG** Not regulated for transport

**In Accordance with IATA** Not regulated for transport

**In Accordance with IMDG/IMO** Not regulated for transport

**Other Information** No data available

### SECTION 15: REGULATORY INFORMATION

#### Regulatory Information

ARMEX™ Blast Media (144-55-8)	
<b>Law Relating to Prevention of Marine Pollution and Maritime Disasters</b>	Non-hazardous Substances (Ministry of Environment Nortification)
<b>Foreign Exchange and Foreign Trade Control Act</b>	Export Trade Control Order, Attached Table 1 Para.16 (1)
<b>Waterworks Law</b>	Hazardous Substances (Act Article 4 paragraph 2), Standard for Water Quality (Ministry Order No.101of 2003,)
<b>Agricultural Chemicals Regulation Law</b>	Specified Agricultural Chemicals (Act Art.2 Para.2, MOE & MAFF Ministry Nortification No.1 of 2003)

#### Sodium bicarbonate (144-55-8)

##### Regulatory Reference

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 : 2016/01/27

Data sources : This document has been prepared in accordance with the SDS requirements of the Japanese Hazard Communication Standard JIS Z 7253: 2012 and JIS Z 7252:2009

Japan GHS SDS

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