



ARMEX™ Blast Media

Safety Data Sheet

In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition.

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SECTION 1: PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL

Product Identifier

Product Form: Substance

Product Name: ARMEX™ Blast Media

CAS No: 144-55-8

Formula: NaHCO₃

Synonyms: Sodium hydrogen carbonate, Baking Soda

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 609-806-1200

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: HAZARD IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-AU) Not classified

Label Elements

GHS-AU Labeling No labelling applicable

Non-GHS Hazards Not available

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

Substances

Name : Sodium Bicarbonate

CAS No : 144-55-8

EC no : 205-633-8

Name	Product identifier	% (w/w)	GHS-AU Classification
Sodium bicarbonate	(CAS No) 144-55-8	100	Not classified

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.

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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.

Personal Protection in First Aid and Measures: Use appropriate personal protection equipment (PPE).

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.

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.

HAZCHEM Emergency Action Code (Australia): 1T

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: 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.

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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.

Incompatible Materials: Acids. Lime.

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

Specific End Use(s)

Blast Media

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

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

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

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 or bulk quantities: Gloves. Safety glasses. Dust formation: dust mask.



Materials for Protective Clothing: For occupational or bulk quantities: Chemically resistant materials and fabrics.

Hand Protection: For occupational or bulk quantities: Wear chemically resistant protective gloves.

Eye Protection: For occupational or bulk quantities: 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	: White, crystalline powder
Odor	: None
Odor Threshold	: Not available
pH	: 8.2 (1% Solution)
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available

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Relative Density	: Not available
Density	: 62 lb/ft ³
Specific Gravity	: Not available
Solubility	: 8.6 g/100ml @ 20 °C (68 °F) in water
Partition coefficient: n-octanol/water	: 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. Avoid temperatures above 65.6°C (150°F).
- Incompatible Materials:** Acids. Lime.
- Hazardous Decomposition Products:** None known. At high temperature may liberate toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

- Acute Toxicity (oral):** Oral: Not classified.
- Acute Toxicity (dermal):** Not classified
- Acute Toxicity (inhalation):** Not classified
- LD50 and LC50 Data:**

ARMEX™ Blast Media (144-55-8)	
LD50 Oral Rat	7.3 g/kg
LC50 Inhalation Rat	> 4.7 mg/l/4h

- 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
- 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.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

ARMEX™ Blast Media (144-55-8)	
LD50 Oral Rat	7334 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not classified.

ARMEX™ Blast Media (144-55-8)	
LC50 Fish 1	7100 mg/l Bluegill
EC50 Daphnia 1	4100 mg/l

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LC 50 Fish 2	7700 mg/l Rainbow Trout
ARMEX™ Blast Media (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.

Bioaccumulative Potential

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

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

According to UNRTDG and ADG Code

HAZCHEM Emergency Action Code (Australia) : 1T

SECTION 15: REGULATORY INFORMATION

National Regulations

ARMEX™ Blast Media (144-55-8)	
Inventory Multi-tiered Assessment and Prioritisation (IMAP) - Stage One Chemicals	Tier 1 Final (Human Health)
ARMEX™ Blast Media (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 Turkish inventory of chemical	

International Agreements

No additional information available

Australia National Regulations

ARMEX™ Blast Media (144-55-8)	
High Volume Industrial Chemicals List	Present

Australia Territory Regulations

ARMEX™ Blast Media (144-55-8)	
Capital Territory - Environment Protection Regulation - Schedule 4	Not present
New South Wales - Work Health and Safety Regulation - Hazardous Substance Requiring Health Monitoring	Not present
New South Wales - Work Health and Safety Regulation - Prohibited Carcinogens	Not present
New South Wales - Work Health and Safety Regulation - Restricted Carcinogens	Not present
New South Wales - Work Health and Safety Regulation - Restricted Hazardous Chemicals	Not present
Queensland - Work Health and Safety Regulation - Prohibited Asbestos	Not present
Queensland - Work Health and Safety Regulation - Prohibited Carcinogens	Not present

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Queensland - Work Health and Safety Regulation - Restricted Carcinogens	Not present
Queensland - Work Health and Safety Regulation - Restricted Hazardous Chemicals	Not present
South Australia - Work Health and Safety Regulation - Prohibited Carcinogens	Not present
South Australia - Work Health and Safety Regulation - Restricted Carcinogens	Not present
South Australia - Work Health and Safety Regulation - Prohibited Asbestos	Not present
Tasmania - Work Health and Safety Regulation - Prohibited Asbestos	Not present
Tasmania - Work Health and Safety Regulation - Prohibited Carcinogens	Not present
Tasmania - Work Health and Safety Regulation - Restricted Carcinogens	Not present
Tasmania - Work Health and Safety Regulation - Restricted Hazardous Chemicals	Not present
Western Australia - Carcinogens Permitted Only for Research Purposes	Not present
Western Australia - Carcinogens Requiring Approval for Use	Not present
Western Australia - Hazardous Substances Prohibited for Specified Uses	Not present
Western Australia - Hazardous Substances Requiring Health Surveillance	Not present

SECTION 16: ADDITIONAL INFORMATION

Revision date : 03/02/2016

Other Information : In accordance with The Model Work Health and Safety Regulations, and the Globally Harmonized System of Classification and Labelling of Chemicals 3rd Revised Edition.

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