

CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



SAFETY DATA SHEET

Conforms to Regulation (EC) 1907/2006 (REACH), Annex II

SDS NUMBER: SDS-970EU

ISSUE DATE: 26/09/2008

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

ARMEX® BLAST MEDIA

Maintenance, Maintenance w SupraKleen, Maintenance XL, Maintenance XL w SupraKleen, Flow Formula M, Flow Formula XL, HydroFlex XL, Composite, Anilox Roll Cleaning, Electronic 35 lb Pail

Manufacturer's Name and Address: Church & Dwight Co., Inc.
469 N. Harrison Street
Princeton, NJ. 08543-5297
USA

24 HOUR EMERGENCY TELEPHONE:
CHEMTREC: +001-703-527-3887

PRODUCT USE: Blast media
CHEMICAL NAME: Mixture
CHEMICAL FORMULA: Mixture
SYNONYMS/Common Names: None

Medical Emergency:
+001-952-853-1925
Customer Information:
+001-609-497-7220

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments
Odorless, white crystalline powder.
May generate static sparks during dry blasting with improperly grounded equipment.
Nuisance dusts
No other significant health or environmental effects associated with these products.
See Section 11 for more detailed information on health effects and symptoms

Potential Health Effects

EYE: Not an eye irritant. Solid or dust particles may cause irritation due to mechanical action if left unwashed.
SKIN CONTACT: Not a skin irritant
INGESTION: Ingestion of small amounts (1-2 tablespoonfuls) during normal handling operations may cause abdominal discomfort but are not likely to cause injury. Ingestion of larger amounts may cause injury.
INHALATION: Non-toxic, but may aggravate pre-existing upper respiratory and lung disorders.
SUBCHRONIC EFFECTS/CARCINOGENICITY: None know. Not listed as carcinogenic by IARC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredient
Proprietary products- Not Applicable contains Sodium Bicarbonate

CAS Number
144-55-8

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There are no ingredients or additional ingredients present which, within current knowledge of the supplier and in concentrations applicable, are classified as hazardous to human health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. **IF IRRITATION PERSIST GET MEDICAL ATTENTION.**

SKIN: Wash exposed areas thoroughly with soap or mild detergent and a large amount of water.

INGESTION: If large amounts are ingested, give water to drink. **Do not give anything orally to an unconscious person.** Seek medical attention.

INHALATION: If over-exposure occurs, remove to area free from risk of further exposure. Treat symptomatically. Seek medical attention if irritation persists.

NOTE TO PHYSICIAN: Ingestion of large amounts may cause systemic alkalosis. No specialized procedures. Treat for clinical symptoms.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: Non-flammable; non-combustible

METHOD USED: Not applicable

EXTINGUISHING MEDIA: Use extinguishing media for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Carbon dioxide may be generated by thermal decomposition or exposure to acids. Wear self-contained breathing apparatus (SCBA) and full protective equipment (Bunker Gear).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Static sparks may be generated during the blasting operation. Special consideration should be given to work areas and applications in which flammable or combustible vapors, mists, gasses or clouds of combustible dust are either present or may be released. See Section 8.

FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Scoop into clean, dry containers for disposal. Wash away uncontaminated residue with water.

7. HANDLING AND STORAGE

Store in original containers in a cool, dry area away from incompatible materials. Wear approved dust mask during use or if dusts are generated during handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: ARMEMX media alone do not represent an inhalation hazard to the user. However, the use of these media in ARMEMX Cleaning and Coating Removal Systems presents use-specific exposure potentials based on the particular system and blasting conditions employed, and the characteristics of the coating being removed.

Abrasive Blasting: A NIOSH approved respirator with a dust filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits for general exposure to ARMEMX dusts above the established exposure guideline (see below), and for outdoor blasting of non-hazardous

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coatings. Use an abrasive blasting respirator for indoor or enclosed work, and whenever blasting hazardous coatings. Whenever possible, use appropriate engineering controls and/or containment measures during abrasive blasting to minimize exposure to airborne dusts.

Soluble Media Injector/Power Washing: Respiratory protection is not normally required since the media is solubilized and dusts are not typically generated during this process. Conditions where respiratory protection would be required include worker exposure to excessive mists, work involving the removal of hazardous or potentially hazardous coatings, or when working in a confined space or area with limited ventilation. When it is determined that respiratory protection is required for certain operations, use an approved air-purifying or air-supplied respirator as appropriate.

EXPOSURE GUIDELINE: For Particles Not Otherwise Classified (PNOC) - TLV-TWA of 10 mg/m³ as a nuisance dust (ACGIH).

PROTECTIVE GLOVES: General purpose for handling dry product or heavy gauge when dry blasting. Impervious (preferably heavy rubber) when wet blasting.

EYE PROTECTION: Wear safety goggles or face shield during abrasive blasting operations.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full cover clothing is sufficient for general handling. Aprons or impervious cover for blasting operations.

PROTECTIVE WORK/HYGIENIC PRACTICES: No special requirements with respect to chemical exposure other than those noted above. However, when used in blasting, workers must adhere to good operating procedures designed to prevent physical contact with pressurized streams of ARMEX® Blast Media and surface coatings being removed. See operating instructions for blasting equipment.

To minimize static electricity hazards, properly ground the equipment and work piece, use a conductive nozzle, and wet blast whenever possible. Conduct the blasting operation in non-hazardous areas if possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White crystalline powder

ODOR: None

PHYSICAL STATE: Solid

pH AS IS: Not Applicable

pH (1% SOLN. w/v): 8.2

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

BOILING POINT: Not applicable

FREEZING/MELTING POINT: Not applicable

SOLUBILITY IN WATER: 8.6 g/100 ml @ 68°F

DENSITY (g/cc): Approximately 1.0

% VOLATILE: Not applicable

VOLATILE ORGANIC COMPOUNDS: None

10. STABILITY AND REACTIVITY



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CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Contact with acids. Temperatures above 228°F.

INCOMPATIBILITY WITH OTHER MATERIALS: Reacts with acids to release carbon dioxide. May also yield free caustic in presence of lime dust (CaO) and moisture.

HAZARDOUS DECOMPOSITION PRODUCTS: Exposure to temperatures in excess of 228°F or incompatible materials (acids) may cause high levels of carbon dioxide gas to be generated. This presents a danger in confined spaces. Thermal decomposition brought on by exposure to temperatures in excess of 1000°F will yield sodium oxide, a severe skin, eye and inhalation irritant.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Sodium bicarbonate, the principal constituent in ARMEX® Blast Media, was classified as practically non-irritating and minimally irritating to the washed and unwashed eye, respectively, when tested in accordance with 40 CFR Part 792. The Maximum Mean Total Score (MMTS) for washed eyes was 2.0. The MMTS for unwashed eyes was 8.3.

SKIN EFFECTS: ARMEX® Blast Media was not a primary skin irritant when tested in accordance with 40 CFR 798.4470. The primary dermal irritation index (PDII) was 0.3 which indicates a minimal skin irritation potential.

ACUTE ORAL EFFECTS: ARMEX® Blast Media was non-toxic when tested. The LD₅₀ (oral-rat) was 8.0 g/Kg.

INHALATION EFFECTS: ARMEX® Blast Media was non-toxic and exhibited no observed adverse effects when tested in accordance with 40 CFR 798.1150. The LC₅₀ was determined to be greater than 4.94 mg/L in rats over a 4-1/2 hour exposure period.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Sodium bicarbonate, the principal constituent in ARMEX® Blast Media, is classified as practically non-toxic to the following environmental organisms:

Daphnids: 48 hour EC₅₀ = 4100 mg/l; NOEC = 3100 mg/l

Bluegill: 96 hour LC₅₀ = 7100 mg/l; NOEC = 5200 mg/l

Rainbow Trout: 96 hour LC₅₀ = 7700 mg/l; NOEC = 2300 mg/l

PERSISTENCE: This material is not expected to persist in the environment.

BIOACCUMULATION: This material is not expected to bioaccumulate in the environment.

13. DISPOSAL CONSIDERATIONS

Disposal of this product, solutions and any by-products should be in accordance with all environmental regulations and any local authority requirements. This product is not regarded as hazardous waste, as defined by EU Directive 01/689/EEC.

Because of its non-hazardous nature, you may be able to sewer diluted waste ARMEX® Blast Media from blasting operations. Coatings removed during blasting may need to be contained, collected and disposed of separately. You will still be required to provide proof to the POTW or your local authorities that the waste

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material is non-hazardous, and obtain the appropriate discharge permits (if discharging directly into a storm sewer or waterway).

14. TRANSPORTATION INFORMATION

IMDG/IATA: Not regulated

15. REGULATORY INFORMATION

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Risk Phrases: This product is not classified according to EU legislation

Safety Phrases: S33 Take precautionary measures against static discharges.

Product Use: Blast Media

EINECS: 205-633-8

16. OTHER INFORMATION

SUPERSEDES DATE: New.

REASON FOR REVISION: New.

For more non-emergency health, safety and environmental information telephone +001.609.279.7705 or write to:

Church & Dwight Co., Inc.

469 North Harrison Street

Princeton, New Jersey 08543

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