

**MSDS**  
**MATERIAL SAFETY DATA**  
**SHEET**

AMCOR MANUFACTURING, INC.  
500 WINMOORE WAY MODESTO, CA 95358

24-HOUR EMERGENCY TRANSPORTATION RESPONSE  
NUMBER 800-424-9300

NFPA 704 DESIGNATION

PRODUCT NAME: BRADY ULTRA BREAK

PRODUCT NUMBER: 1626.185

CHEMICAL FAMILY: Alkaline Laundry Break / Builder

|            |     |
|------------|-----|
| HEALTH     | 3   |
| FIRE       | 0   |
| REACTIVITY | 1   |
| SPECIAL    | COR |

**SECTION I-HAZARDOUS INGREDIENTS OF MIXTURES**

|               |                     |
|---------------|---------------------|
| CAS #         | 1310-73-2           |
| CHEMICAL NAME | Sodium Hydroxide    |
| % BY WEIGHT   | 20-30%              |
| OSHA/PEL      |                     |
| ACGIH/TLV     | 2 mg/m <sup>3</sup> |
| OTHER         | N/A                 |

|                                   |                        |
|-----------------------------------|------------------------|
| CERCLA: Listed                    | RCRA: Not Listed       |
| Reportable Spill Quantities: None | SARA Title III: Listed |

Threshold Planning Quantities: None

**SECTION II-PHYSICAL DATA**

|                        |       |                                 |          |
|------------------------|-------|---------------------------------|----------|
| Boiling Point:         | 214°F | Vapor Pressure:                 | N/A      |
| Vapor Density (Air=1): | N/A   | Solubility in Water (% by Wt.): | Complete |
| % Volatiles by Volume: | <55%  | Evaporation Rate:               | N/A      |
| Specific Gravity:      | <1.3  | pH of Concentrate:              | >12      |

Appearance and Odor: Clear liquid with no odor.

**SECTION III-FIRE AND EXPLOSION DATA**

|                                     |  |
|-------------------------------------|--|
| Flash Point:                        | None   |
| Hazardous Polymerization:           | <input type="checkbox"/> Will Occur <input checked="" type="checkbox"/> Will Not Occur                 |
| Flammable Limits:                   | N/A  |
| Lower Explosive Limits:             | N/A  |
| Upper Explosive Limits:             | N/A  |
| Extinguishing Media:                | Water spray, carbon dioxide, foam or dry chemical.   |
| Special Firefighting Procedures:    | Use self-contained breathing apparatus. When heated to decomposition it will give off hazardous gases. |
| Unusual Fire and Explosion Hazards: | May combine with various metals at decomposition to form further flammable mixtures.                   |
| Conditions to Avoid:                | Being an alkaline product, do not store with or near acidic products.                                  |

Updated 12-16-05

**SECTION IV-HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: (Refer to Section I)

EFFECTS OF OVEREXPOSURE: May cause severe burning or irritation to skin, eyes and exposed mucous membranes. Acute and immediate hazard to skin, eyes and mucous membranes. Avoid contact.

EMERGENCY AND FIRST AID PROCEDURE:

SKIN: Immediately wash affected area thoroughly with soap and water for 15 minutes. Remove any contaminated clothing and launder before reuse.

EYES: Flush eyes with copious amounts of water for at least 15 minutes, making sure eyelids are kept open. Seek medical attention if irritation or burning persists. Water is the only accepted method of treatment.

INGESTION: Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. DO NOT INDUCE VOMITING. Contact a physician or poison control center.

INHALATION: Respiratory irritant. Remove to fresh air and provide oxygen if distress continues. Seek medical attention. Pulmonary edema may develop in very acute cases.

**SECTION V-REACTIVITY DATA**

CONDITIONS CONTRIBUTING TO INSTABILITY: Product absorbs water and carbon dioxide from the air. Keep storage containers closed and sealed.

INCOMPATIBILITY: Avoid contact with aluminum, leather, wood, tin, zinc, bronze and alloys containing these metals. **Do not mix with acids.**

HAZARDOUS DECOMPOSITION: Gives off sodium and/or potassium fumes if heated past decomposition.

**SECTION VI-SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon) may be flushed to an approved sewer line with large amounts of water after neutralization. Dilute acidic (vinegar) or citric acid may be used to neutralize area. Larger spills must be diked well ahead of spill and collected with a suitable absorbent after the neutralization procedure. Wear protective clothing and do not walk through the spill area.

WASTE DISPOSAL METHOD: Dispose of in accordance with all federal, state and local regulations. Do not release the concentrated or diluted product directly into storm drains or undedicated surface or groundwater supplies. This product is environmentally biodegradable under all conditions associated with normal use. Read label instructions.

**SECTION VII-PROTECTIVE EQUIPMENT**

VENTILATION: Forced air, local exhaust or open air is adequate.

PERSONAL PROTECTIVE EQUIPMENT: Wear at least chemical resistant suit, gloves and eye protection when handling, moving or using this product.

WORK/HYGENIC PRACTICES: Dusts or mists may cause severe irritation to lungs and throat. Wear appropriate masks or protection if used in such a situation.

**SECTION VIII-REGULATORY INFORMATION**

See Section I. DOT: Corrosive Liquid, n.o.s., (Sodium Hydroxide), 8, UN1760, PG III. The Reportable Spill Quantities listed on page 1 (if listed) are given on an "as is" basis.

**SECTION IX-STORAGE AND HANDLING**

Do not contaminate water, food or feed by storage or disposal. Keep product in a tightly closed container when not in use. It may be placed in a plastic container for temporary use, but do not form an airtight seal. Do not drop, roll or skid drum. Store in a cool, dry, well-ventilated area away from heat and open flame. Triple-rinse container. Offer for recycling, reconditioning or puncture and dispose of in a sanitary landfill; or incinerate if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**SECTION X-GENERAL PRECAUTIONS**

KEEP AWAY FROM CHILDREN. FOR INDUSTRIAL USE ONLY. AVOID BREATHING CONCENTRATED VAPORS.