1. PRODUCT AND COMPANY IDENTIFICATION

Product Name
Arm & Hammer Sensitive Scents Unit Dose Detergents
Arm & Hammer Toss n Done Unit Dose Powder Laundry Detergent
Arm & Hammer plus Oxiclean Crystal Burst Unit Dose Powder Laundry Detergent

Product Code(s)
MSDS-140

Recommended Use
Laundry detergent

Product Type
Mixture

Formula
Mixture

Synonyms
Detergent

Manufactured by
Church & Dwight Co., Inc.
469 N. Harrison Street
Princeton, NJ 08543

For further information, please also consult our Internet site www.churchdwight.com

2. HAZARDS IDENTIFICATION

Potential Health Effects

Acute Toxicity

Eyes
Irritating to eyes. Potential for severe irritation if not treated immediately. Corneal damage on extended exposure.

Skin
Varying severities of irritation are possible from prolonged, repeated, or occluded exposure to skin. This product contains ENZYMES which may cause an allergic reaction to sensitized individuals.

Inhalation
Irritating to respiratory system.

Ingestion
Ingested amounts may cause burning and pain in the mouth and throat with redness and swelling of mucous membranes. Harmful if swallowed.

Chronic Effects
No known effect based on information supplied

Appearance
White or blue powder, May contain colored specs

Physical State
Solid, powder

Odor
Fragrance

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). However, the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. Therefore, the requirements of the Occupational Safety and Health Administration applicable to this MSDS differ from the labeling requirements of the CPSC, and this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HMIS
Health Hazard 1 Flammability 0 Reactivity 0
Aggravated Medical Conditions: None known

Environmental Hazard: See Section 12 for additional Ecological Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-8</td>
<td>55-75</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>15-25</td>
</tr>
<tr>
<td>Zeolite sodium, hydrated</td>
<td>1318-02-1</td>
<td>3-6</td>
</tr>
<tr>
<td>Linear Alkene Benzenesulfonic Acid</td>
<td>68081-81-2</td>
<td>3-6</td>
</tr>
<tr>
<td>Alcohol Ethoxylate</td>
<td>68131-39-5</td>
<td>3-7</td>
</tr>
<tr>
<td>Silicone Dioxide, Amorphous</td>
<td>112926-00-8</td>
<td>1-3</td>
</tr>
<tr>
<td>Subtilisins (proteolytic enzymes)</td>
<td>9014-01-1</td>
<td>0.5-3</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Inhalation**
Move to fresh air. If breathing is difficult, have a trained person give oxygen. If not breathing, have a trained person give artificial respiration. Get medical attention immediately if symptoms occur.

**Skin Contact**
Remove and wash contaminated clothing before re-use. Wash contaminated areas thoroughly with soap and water.

**Ingestion**
Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Get medical attention.

**Notes to Physician**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties**
Not flammable

**Flash Point**
Not determined

**Flammability Limits in Air**
No information available

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Hazardous Combustion Products**
Carbon oxides

**Explosion Data**
- Sensitivity to Mechanical Impact: Not sensitive
- Sensitivity to Static Discharge: Not sensitive

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Wear protective gloves/clothing and eye/face protection. Refer to Section 8.

Methods for Containment
Close off area of spill to traffic and use caution during cleanup. Place material in clean, dry containers.

Methods for Cleaning Up
Wear protective equipment when handling material to prevent skin and eye contact. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling
Wear personal protective equipment. Avoid breathing dusts. Keep containers closed and in the original container.

Storage
Store in a cool, dry area away from incompatible materials. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone Dioxide, Amorphous</td>
<td></td>
<td>(vacated) TWA: 6 mg/m³</td>
<td></td>
</tr>
<tr>
<td>112926-00-8</td>
<td></td>
<td>(vacated) STEL: 0.00006 mg/m³</td>
<td>STEL: 0.00006 mg/m³</td>
</tr>
<tr>
<td>Subtilisins (proteolytic enzymes)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9014-01-1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment
Eye/Face Protection
Avoid contact with eyes.

Skin and Body Protection
No special protective equipment required

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White or blue powder May contain colored specs</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>10.5(1% in H2O)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.88 to 1.00 g/cc @ 20°C</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.01 g/L</td>
</tr>
<tr>
<td>VOC Content</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor</td>
<td>Fragrance</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid, powder</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>215 °F</td>
</tr>
<tr>
<td>Solubility</td>
<td>140 g/L @ 24°C</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>1.01 g/L</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions

Incompatible Products: None known based on information supplied

Conditions to Avoid: None known based on information supplied

Hazardous Decomposition Products: None known based on information supplied

Hazardous Polymerization: Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information: Product does not present an acute toxicity hazard based on known or supplied information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (mg/kg) (Species)</th>
<th>LD50 Dermal (mg/kg) (Species)</th>
<th>LC50 Inhalation (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>4220 (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>4090 (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohol Ethoxylate</td>
<td>2 (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtilisins (proteolytic enzymes)</td>
<td>3700 (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic Toxicity

Target Organ Effects: None known.
12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td></td>
<td>LC50 = 8250-9000 mg/L Lepomis macrochirus 96 h</td>
<td></td>
<td>EC50 = 2350 mg/L 48 h</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td></td>
<td>LC50 = 300 mg/L Lepomis macrochirus 96 h</td>
<td></td>
<td>EC50 = 265 mg/L 48 h</td>
</tr>
</tbody>
</table>

Persistence and Degradability  Product is biodegradable
Bioaccumulation/Accumulation  Not likely to bioaccumulate

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging  Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT  Not regulated
TDG  Not regulated
ICAO  Not regulated
IATA  Not regulated
IMDG/IMO  Not regulated

15. REGULATORY INFORMATION

Revision Date 22-Feb-2013
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Product Name: Arm & Hammer
Sensitive Scents Unit Dose Detergents
Arm & Hammer Toss n Done Unit Dose Powder Laundry Detergent
Arm & Hammer plus Oxiclean Crystal Burst Unit Dose Powder Laundry Detergent
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>EIN/ELN</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>(1)-310</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>1-164</td>
<td>X</td>
<td>KE-31380</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Zeolite sodium, hydrated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Linear Alkene Benzenesulfonic Acid</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Alcohol Ethoxylate</td>
<td>XU</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Silicone Dioxide, Amorphous</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Subtilisins (proteolytic enzymes)</td>
<td>XU</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
- Acute Health Hazard: No
- Chronic Health Hazard: No
- Sudden Release of Pressure Hazard: No
- Fire Hazard: No
- Reactive Hazard: No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
---|---|---|---|---|---|
Silicone Dioxide, Amorphous | X | X | | | |

### International Regulations

**Mexico - Grade**

No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone Dioxide, Amorphous</td>
<td></td>
<td>Mexico: TWA = 10 mg/m³</td>
</tr>
</tbody>
</table>

### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Not determined

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### 16. OTHER INFORMATION

**Prepared By**

Church & Dwight Co. Inc.
Product Stewardship
469 North Harrison Street
Princeton, New Jersey 08543
609.279.7705

**Revision Date**

22-Feb-2013

**Reason for Revision**

No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**