Arm & Hammer™ Fridge-N-Freezer™ Odor Absorber
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 06/12/2015 Date of issue: 06/12/2015 Supersedes Date: 03/09/2012 Version: 1.0

SECTION 1: IDENTIFICATION
Product Identifier
Product Form: Substance
Product Name: Arm & Hammer™ Fridge-N-Freezer™ Odor Absorber
Intended Use of the Product
Deodorizer.
Name, Address, and Telephone of the Responsible Party
Company
Church & Dwight
500 Charles Ewing Blvd
Ewing Township, NJ 08628
T 1-800-524-1328
www.churchdwight.com
Emergency Telephone Number
Emergency Number : For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION
This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.
Classification of the Substance or Mixture
Classification (GHS-US) Not classified
Label Elements
GHS-US Labeling No labeling applicable
Other Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.
Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
Substances
<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium bicarbonate</td>
<td>(CAS No) 144-55-8</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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.
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.

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.

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).

For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

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 heading 8, Exposure Controls and Personal Protection.

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.
Storage Temperature: < 65 °C (150 °F)
Specific End Use(s) Deodorizer
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

<table>
<thead>
<tr>
<th>Particulates not otherwise classified (PNOC)</th>
<th>USA ACGIH</th>
<th>ACGIH TWA (mg/m³)</th>
<th>3 mg/m³ Respirable fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>5 mg/m³ Respirable fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15 mg/m³ Total Dust</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (total)</td>
<td></td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (total dust)</td>
<td></td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (inhalable particles, recommended)</td>
<td></td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL TWA (mg/m³)</td>
<td>3 mg/m³ (particulate matter containing no Asbestos and &lt;1% Crystalline silica, respirable fraction)</td>
<td></td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (inhalable particles, recommended)</td>
<td></td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (inhalable particles, recommended)</td>
<td></td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL TWA (mg/m³)</td>
<td>5 mg/m³ (respirable mass)</td>
<td></td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (mg/m³)</td>
<td>5 mg/m³ (respirable mass)</td>
<td></td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (inhalable)</td>
<td></td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (inhalable particles, recommended)</td>
<td></td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (mg/m³)</td>
<td>10 mg/m³ (including dust, inert or nuisance particulates; containing no Asbestos and &lt;1% Crystalline silica-total dust)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 mg/m³ (Insoluble or poorly soluble-respirable fraction)</td>
<td></td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (mg/m³)</td>
<td>20 mg/m³ (insoluble or poorly soluble-inhalable fraction)</td>
<td></td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³ (insoluble or poorly soluble-inhalable fraction)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 mg/m³ (Insoluble or poorly soluble-respirable fraction)</td>
<td></td>
</tr>
</tbody>
</table>

Exposure Controls

Appropriate Engineering Controls: For occupational/workplace settings: 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: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

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) |
| Evaporation Rate | 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 |
**Arm & Hammer™ Fridge-N-Freezer™ Odor Absorber**

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### Flammability (solid, gas)
- Not available

### Upper/Lower Flammable Limit
- Not available

### Vapor Pressure
- Not available

### Relative Vapor Density at 20 °C
- Not available

### Specific gravity / density
- 62 lb/ft³

### Specific Gravity
- Not available

### Solubility
- Water: 8.6 g/100ml @ 20 °C (68 °F)

### Partition Coefficient: N-octanol/water
- Not available

### Viscosity
- Not available

### Explosion Data – Sensitivity to Mechanical Impact
- Not expected to present an explosion hazard due to mechanical impact.

### Explosion Data – Sensitivity to Static Discharge
- Not expected to present an explosion hazard due to static discharge.

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**SECTION 10: STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Hazardous reactions will not occur under normal conditions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Decomposes slowly on exposure to water (moisture).</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>Hazardous polymerization will not occur.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Exposure to moisture or moist air. Temperatures above 150°F (65 °C).</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>None known. At high temperature may liberate toxic gases.</td>
</tr>
</tbody>
</table>

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects - Product**

- **Acute Toxicity:** Not classified
- **LD50 and LC50 Data:** Not available
- **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
- **Teratogenicity:** 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:**

<table>
<thead>
<tr>
<th>Arm &amp; Hammer™ Fridge-N-Freezer™ Odor Absorber</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LD50 Oral Rat</strong></td>
</tr>
<tr>
<td>7.3 g/kg</td>
</tr>
</tbody>
</table>

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**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity** No additional information available

**Arm & Hammer™ Fridge-N-Freezer™ Odor Absorber**

<table>
<thead>
<tr>
<th>LC50 Fish 1</th>
<th>8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

**Persistence and Degradability** Not established

**Bioaccumulative Potential** Not established

**Mobility in Soil** Not available

**Other Adverse Effects**

**Other Information:** Avoid release to the environment.

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06/12/2015 EN (English US) 4/5
SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT: Not regulated for transport
In Accordance with IMDG: Not regulated for transport
In Accordance with IATA: Not regulated for transport
In Accordance with TDG: Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal & International Regulations

<table>
<thead>
<tr>
<th>Arm &amp; Hammer™ Fridge-N-Freezer™ Odor Absorber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the AICS (Australian Inventory of Chemical Substances)</td>
</tr>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</td>
</tr>
<tr>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td>Listed on the Japanese ENCS (Existing &amp; New Chemical Substances) inventory</td>
</tr>
<tr>
<td>Listed on the Korean ECL (Existing Chemicals List)</td>
</tr>
<tr>
<td>Listed on NZIoC (New Zealand Inventory of Chemicals)</td>
</tr>
<tr>
<td>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</td>
</tr>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

US State Regulations

Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

<table>
<thead>
<tr>
<th>Arm &amp; Hammer™ Fridge-N-Freezer™ Odor Absorber</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td>WHMIS Classification: Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>

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

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 06/12/2015

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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

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