Arm & Hammer™ Truly Radiant™ Mouth Rinse
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 10/23/2015 Date of issue: 10/23/2015 Version: 1.0

SECTION 1: IDENTIFICATION
Product Identifier
Product Form: Mixture
Product Name: Arm & Hammer™ Truly Radiant™ Mouth Rinse
Intended Use of the Product
Oral Care
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
The consumer variant of this product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC) and the Food and Drug Administration (FDA). 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 FDA, 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
Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>(CAS No) 56-81-5</td>
<td>7 - 13</td>
<td>Not classified</td>
</tr>
<tr>
<td>1,2-Propylene glycol</td>
<td>(CAS No) 57-55-6</td>
<td>1 - 5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. More than one of the ranges of concentration prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

SECTION 4: FIRST AID MEASURES
Description of First Aid Measures
General: Never give anything by mouth to an unconscious person. If exposed or concerned: Get medical advice/attention.
Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
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. Get medical advice and attention if you feel unwell.

Most Important Symptoms and Effects Both Acute and Delayed

General: None expected under normal conditions of use.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if ingested in large quantities. Ingesting large amounts may cause systemic alkalosis.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

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: Spilled material may present a slipping hazard.

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: 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

Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Absorb and/or contain spill with inert material, then place in suitable container.

Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

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

Technical Measures: Ensure all national/local regulations are observed.
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container tightly closed. For product integrity, avoid temperatures above 130 °F. Products contain flavor which is subject to degradation at prolonged elevated temperatures.

Incompatible Materials: Strong acids. Contact with acids will generate carbon dioxide.

Specific End Use(s)
Oral Care

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<table>
<thead>
<tr>
<th>Glycerin (56-81-5)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³) 15 mg/m³ (mist, total particulate) 5 mg/m³ (mist, respirable fraction)</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist) 3 mg/m³ (mist-respirable)</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL STEL (mg/m³) 20 mg/m³ (mist)</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL STEL (mg/m³) 20 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (mg/m³) 10 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (mg/m³) 20 mg/m³ (mist)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (mppcf) 30 mppcf (mist)</td>
</tr>
<tr>
<td></td>
<td>OEL TWA (mg/m³) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td>1,2-Propylene glycol (57-55-6)</td>
<td></td>
</tr>
<tr>
<td>USA AIHA</td>
<td>WEEL TWA (mg/m³) 10 mg/m³ (for assessing the visibility in a work environment where 1,2-Propylene glycol aerosol is present-aerosol only)</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (mg/m³) 10 mg/m³ (aerosol and vapor)</td>
</tr>
<tr>
<td></td>
<td>OEL TWA (ppm) 50 ppm (aerosol and vapor)</td>
</tr>
</tbody>
</table>

Exposure Controls

Appropriate Engineering Controls: For occupational/workplace settings: Local exhaust and general ventilation must be adequate to meet exposure standards. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.


Materials for Protective Clothing: For occupational/workplace settings: Chemically resistant materials and fabrics.

Hand Protection: For occupational/workplace settings: Wear chemically resistant protective gloves.

Eye Protection: For occupational/workplace settings: Chemical goggles or safety glasses.

Skin and Body Protection: For occupational/workplace settings: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Liquid
Appearance: Green, clear
Odor: Mint
Odor Threshold: Not available
pH: 8.1
Evaporation Rate: Not available
Melting Point: Not available
Freezing Point: Not available
Boiling Point: Not applicable
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
Relative Density: Not available
Specific Gravity: 1.07
Solubility: Complete in water
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

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: The product is stable at normal handling and storage conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Extremely high or low temperatures. Freezing. For product integrity, avoid temperatures above 130 °F. Products contain flavor which is subject to degradation at prolonged elevated temperatures.
Incompatible Materials: Strong acids. Contact with acids will generate carbon dioxide.
Hazardous Decomposition Products: Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified
LD50 and LC50 Data:
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
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: May cause respiratory irritation
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Symptoms/Injuries After Skin Contact: May cause skin irritation
Symptoms/Injuries After Eye Contact: May cause eye irritation
Symptoms/Injuries After Ingestion: May be harmful if ingested in large quantities. Ingesting large amounts may cause systemic alkalosis

Chronic Symptoms: None expected under normal conditions of use

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Glycerin (56-81-5)
- LD50 Oral Rat: 23000 mg/kg
- LD50 Dermal Rabbit: > 10 g/kg
- LC50 Inhalation Rat: > 570 mg/m³ (Exposure time: 1 h)

1,2-Propylene glycol (57-55-6)
- LD50 Oral Rat: 20 g/kg
- LD50 Dermal Rabbit: 20800 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Glycerin (56-81-5)
- LC50 Fish 1: 54000 (51000 - 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

1,2-Propylene glycol (57-55-6)
- LC50 Fish 1: 51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
- EC50 Daphnia 1: 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)
- LC50 Fish 2: 41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
- EC50 Daphnia 2: 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

Persistence and Degradability

Arm & Hammer™ Truly Radiant™ Mouth Rinse
- Persistence and Degradability: Not established.

Bioaccumulative Potential

Glycerin (56-81-5)
- BCF Fish 1: (no bioaccumulation)
- Log POW: -1.76

1,2-Propylene glycol (57-55-6)
- BCF Fish 1: < 1
- Log POW: -0.92

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, 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 and International Regulations

Glycerin (56-81-5)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on the Canadian DSL (Domestic Substances List)

10/23/2015 EN (English US)
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| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commerical 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 |

| EPA TSCA Regulatory Flag | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |

### 1,2-Propylene glycol (57-55-6)

| 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 Commerical Chemical Substances) |
| Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory |
| Listed on the Japanese ISHL (Industrial Safety and Health Law) |
| Listed on the Korean ECL (Existing Chemicals List) |
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| Listed on Turkish inventory of chemical |

| EPA TSCA Regulatory Flag | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |

### US State Regulations

**Glycerin (56-81-5)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

**1,2-Propylene glycol (57-55-6)**

- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

### Canadian Regulations

**Arm & Hammer™ Truly Radiant™ Mouth Rinse**

| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

**Glycerin (56-81-5)**

| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

**1,2-Propylene glycol (57-55-6)**

| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

**IDL Concentration 1 %**

| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
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

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>10/23/2015</th>
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<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. The consumer variant of this product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC) and the Food and Drug Administration (FDA). 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 FDA, and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.</td>
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Party Responsible for the Preparation of This Document

Church & Dwight
500 Charles Ewing Blvd
Ewing Township, NJ 08628
T 1-800-524-1328

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