



CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS - SPECIALITY PRODUCTS

MATERIAL SAFETY DATA SHEET

Product Code(s) MSDS-117

Revision Date 12-Oct-2012

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Arm & Hammer 4X Ultra Power
Product Code(s) MSDS-117

Recommended Use Laundry detergent
Product Type Mixture
Synonyms Detergent

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

Emergency Telephone Number
1-800-424-9300

**Poison Information Center
Telephone Number**
1-888-234-1828

Telephone inquiry
1-800-524-1328

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

2. HAZARDS IDENTIFICATION

Appearance Clear blue or colorless (dye-free) liquid
Physical State Liquid
Odor As described on product label

Under normal conditions of use this product is not a hazardous material as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. Moderate to severe skin and eye irritation potential. Not a fire hazard. Stable.

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** 2 **Flammability** 0 **Reactivity** 0

Potential Health Effects

Acute Toxicity

Eyes Severe irritant. Can cause injury upon prolonged contact.
Skin Irritant. Prolonged, repeated or occluded contact with concentrated product can cause irritation.
Inhalation If mists are generated, they may cause mucous membrane and upper respiratory irritation.
Ingestion Practically non-toxic due to high level of water dilution. Ingestion can cause irritation to mucous membranes and digestive tract, nausea, and abdominal discomfort.

Chronic Effects None known.

Aggravated Medical Conditions None known

Environmental Hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium carbonate	497-19-8	1-3
Sodium hydroxide	1310-73-2	1-3

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Inhalation	Move to fresh air
Skin Contact	Wash skin with soap and water
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	Not applicable
Flammability Limits in Air	Not flammable
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

NFPA **Health Hazard 2** **Flammability 0** **Stability 0** **Physical and Chemical Hazards -**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes. Close off area.
Methods for Containment	Close off area of spill to traffic and use caution during cleanup.
Methods for Cleaning Up	Contain spill and pick up with absorbent material. Make sure area is slip-free before re-opening to traffic. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
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Storage Store at ambient conditions. Keep from freezing. Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines See below

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2		TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Skin and Body Protection

Respiratory Protection

No special protective equipment required
No special protective equipment required
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

Appearance	Clear blue or colorless (dye-free) liquid	Odor	As described on product label
Odor Threshold	No information available	Physical State	Liquid
pH	11.9	Autoignition Temperature	No information available
Flash Point	Not applicable	Boiling Point/Range	No data available
Decomposition Temperature	No information available	Freezing Point	No information available
Melting Point/Range	NA	Explosion Limits	No information available
Flammability Limits in Air	Not flammable	Solubility	Completely soluble
Specific Gravity	1.035-1.045	Vapor Density	No data available
Vapor Pressure	Not applicable	Explosive Properties	NA
Density	1.037-1.047		
VOC Content	None		

10. STABILITY AND REACTIVITY

Stability Stable.

Incompatible Products None known.

Conditions to Avoid None known.

Hazardous Decomposition Products Carbon oxides.

Hazardous Reactions Will not occur.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	4090 mg/kg (Rat)		
Sodium hydroxide		1350 mg/kg (Rabbit)	

Chronic Toxicity

Chronic Toxicity None known.

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium carbonate		LC50= 300 mg/L Lepomis macrochirus 96 h		EC50 = 265 mg/L 48 h
Sodium hydroxide		LC50= 45.4 mg/L Oncorhynchus mykiss 96 h		

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

Chemical Name	California Hazardous Waste Status
Sodium hydroxide	Corrosive Toxic Corrosive

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	EIN/ELN	ENCS	IECSC	KECL	PICCS	AICS
Sodium carbonate	Present	X	X	1-164	X	KE-31380	X	-
Sodium hydroxide	Present	X	X	-	X	KE-31487	X	X

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

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium hydroxide	1000 lb	

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
Sodium hydroxide	X	X	X		X

International Regulations

Mexico - Grade

No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Sodium hydroxide		Mexico: Ceiling= 2 mg/m ³

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

16. OTHER INFORMATION

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

Revision Date 12-Oct-2012

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