



CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS - SPECIALITY PRODUCTS

MATERIAL SAFETY DATA SHEET

Product Code(s) MSDS-140

Revision Date 22-Feb-2013

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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

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.churchdwight.com

2. HAZARDS IDENTIFICATION

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

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

Aggravated Medical Conditions None known

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Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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

NFPA

Health Hazard 1

Flammability 0

Stability 0

Physical and Chemical Hazards -

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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.
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Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silicone Dioxide, Amorphous 112926-00-8		(vacated) TWA: 6 mg/m ³	
Subtilisins (proteolytic enzymes) 9014-01-1		(vacated) STEL: 0.00006 mg/m ³	STEL: 0.00006 mg/m ³

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White or blue powder May contain colored specs	Odor	Fragrance
Odor Threshold	No information available	Physical State	Solid, powder
pH	10.5(1% in H ₂ O)	Autoignition Temperature	No information available
Flash Point	No information available	Boiling Point/Range	215 °F
Decomposition Temperature			
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Specific Gravity	0.88 to 1.00 g/cc @ 20°C	Solubility	140 g/L @ 24°C
Vapor Pressure	No data available	Vapor Density	No data available
Density	1.01 g/L	Bulk Density	1.01 g/L
VOC Content	Not applicable		

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Bicarbonate	4220 mg/kg (Rat)		
Sodium carbonate	4090 mg/kg (Rat)		
Alcohol Ethoxylate	2 g/kg (Rat)		
Subtilisins (proteolytic enzymes)	3700 mg/kg (Rat)		

Chronic Toxicity

Target Organ Effects None known.

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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 Bicarbonate		LC50 8250-9000 mg/L Lepomis macrochirus 96 h		EC50 = 2350 mg/L 48 h
Sodium carbonate		LC50= 300 mg/L Lepomis macrochirus 96 h		EC50 = 265 mg/L 48 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

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

ICAO

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

15. REGULATORY INFORMATION

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15. REGULATORY INFORMATION

International Inventories

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

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

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Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Silicone Dioxide, Amorphous	X	X	X		

International Regulations

Mexico - Grade No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Silicone Dioxide, Amorphous		Mexico: TWA= 10 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 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