

MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-030

ISSUE DATE: 04/03/95

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1. PRODUCT IDENTIFICATION

Product Name

ARM & HAMMER® Super Washing Soda

Emergency Phone:

1-609-683-5900 (U.S.A.)

Medical Emergency Phone:

1-800-228-5635

Ext. 007 (U.S.A.)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredient</u>	<u>% By Weight</u>	<u>CAS Number</u>
Sodium Carbonate	≥ 85%	497-19-8
Water	≤ 15%	7732-18-5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	
White granular powder, no odor. May be harmful if swallowed or inhaled. A severe eye irritant. A moderate skin irritant. Not a fire hazard.	
<u>HMIS Rating</u>	
Health	2
Fire	0
Reactivity	0

Potential Health Effects

EYE: Severe irritant. Potential for burns and injury if not treated immediately.

SKIN CONTACT: Various severities of irritation are possible upon prolonged, repeated or occluded contact.

INGESTION: Slightly toxic. Ingestion may cause abdominal discomfort and irritation of the oral and alimentary mucosa. Ingestion may also present a potential aspiration hazard.

INHALATION: Inhalation of dusts may cause irritation to the nose, throat and lungs.

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known. Sodium carbonate is not listed as a carcinogen or potential carcinogen by IARC, NTP, OSHA, OR ACGIH.



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4. FIRST AID MEASURES

EYES: Check for and remove contact lenses. Immediately flush eyes with clean flowing water, low pressure and lukewarm if possible, occasionally lifting upper and lower eyelids. Get medical attention immediately.

SKIN: Wash affected area with soap or mild detergent and large amounts of water. Seek medical attention if irritation develops.

INHALATION: Remove from area of exposure. Treat symptomatically. Seek medical attention if irritation develops or if person has difficulty breathing.

INGESTION: Do not induce vomiting. If patient is conscious and can swallow, give two glasses of water to drink. Do not attempt to give anything orally to an unconscious person. Seek medical attention.

NOTE TO PHYSICIAN: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: Not flammable
METHOD USED: Not applicable

FLAMMABLE LIMITS

LFL: Not applicable
UFL: Not applicable

EXTINGUISHING MEDIA: None combustible material. Use extinguishing media appropriate for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Carbon dioxide and irritating dusts may be generated by thermal decomposition. Wear a self-contained breathing apparatus (SCBA) and full protective equipment (Bunker Gear).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES

Scoop up into clean, dry waste container. Avoid stirring up dusts. Neutralize residue with dilute muriatic acid and flush residue to sewer or waste water system. Wash area with large amounts of water. Prevent eye and skin contact and inhalation of dusts by wearing appropriate protective equipment (See Section 8).

7. HANDLING AND STORAGE

Store in cool, dry areas and away from incompatible substances (acids).

Super Washing Soda will react with acids to yield carbon dioxide gas which can accumulate in confined spaces. Do not enter confined spaces until they have been well ventilated and carbon dioxide levels have been determined to be safe.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**RECOMMENDED EXPOSURE LIMIT:** 10 mg/m³ as a nuisance dust (ACGIH).**RESPIRATORY PROTECTION:** Wear a NIOSH approved dust respirator if dust level exceeds recommended exposure limit. Respiratory protection is recommended for any level of dust generation.**PROTECTIVE GLOVES:** General purpose for handling dry material.**EYE PROTECTION:** Safety glasses with side shields or chemical safety goggles if excessive dust is generated. Do not wear contact lenses.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Full cover clothing. Local eye wash is recommended.**ENGINEERING CONTROLS:** Use local exhaust if total dust level exceeds 10 mg/m³.**PROTECTIVE WORK/HYGIENIC PRACTICES:** No special requirements other than those noted above with respect to chemical exposure during handling. Personal protection with respect to specific applications of this material are the responsibility of the user.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:** White granular powder**ODOR:** None**PHYSICAL STATE:** Solid**pH AS IS:** Not applicable**pH (1% SOLN. w/v):** 11.4**VAPOR PRESSURE:** Not applicable**VAPOR DENSITY:** Not applicable**BOILING POINT:** Not applicable**FREEZING/MELTING POINT:** Not applicable**SOLUBILITY IN WATER:** Readily soluble in water. 7.1% @20°C**SPECIFIC GRAVITY (Water = 1):** 2.25**APPARENT DENSITY (g/cc):** Approximately 1.1 at 20°C.**% VOLATILE:** Not applicable**VOLATILE ORGANIC COMPOUNDS:** Not applicable**MOLECULAR WEIGHT:** 124

10. STABILITY AND REACTIVITY**CHEMICAL STABILITY:** Stable**CONDITIONS TO AVOID:** Loses all water of hydration at temperatures above 228°F.**INCOMPATIBILITY WITH OTHER MATERIALS:** Reacts with acids to form carbon dioxide. May yield corrosive caustic soda if mixed with lime dust and water.**HAZARDOUS DECOMPOSITION PRODUCTS:** Yields sodium oxide if exposed to temperatures above 1564°F.**HAZARDOUS POLYMERIZATION:** Will not occur.

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11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: A severe eye irritant.

SKIN EFFECTS: A moderate skin irritant. May produce various severities of irritation on prolonged, repeated or occluded contact.

ACUTE ORAL EFFECTS: Although low in toxicity ($LD_{50} \sim 3000 - 4000$ mg/kg), may cause corrosion of gastric mucosa and gastrointestinal disturbances such as heaves, vomiting, abdominal pain.

INHALATION EFFECTS: Dusts either inhaled or aspirated during ingestion may cause mucous membrane and upper respiratory irritation.

12. DISPOSAL CONSIDERATIONS

Bury in secure landfill in accordance with all local, state and federal environmental regulations. State and local regulations may differ from federal. Be sure to consult appropriate agencies for specific rules. Empty containers may be incinerated or discarded as general trash.

13. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated

TECHNICAL SHIPPING NAME: ARM & HAMMER® Super Washing Soda Detergent Booster

D.O.T. HAZARD CLASS: None

U.N./N.A. NUMBER: None

HAZARDOUS SUBSTANCE/RQ: None

D.O.T. LABEL: None

D.O.T. PLACARD: None

14. MISCELLANEOUS INFORMATION

Additional Regulations

The components of this material are reported in the U.S. EPA TSCA Inventory and appear on the Canadian DSL.

This material is not listed as a carcinogen or potential carcinogen by NTP Annual Report, IARC Group I or II, OSHA 29 CFR Part 1910 Subpart Z, or ACGIH Appendix A.

SUPERSEDES DATE: 06/29/92

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