

MATERIAL SAFETY DATA SHEET

Product Name: S-100

Product No. 104.00

SAVIN PRODUCTS COMPANY, INC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: S-100 Highly Alkaline Detergent Degreaser

Emergency phone: Chemtrec: 800-424-9300

Product Information: 781-961-2744

Company: SAVIN PRODUCTS COMPANY, INC.
214 HIGH STREET
RANDOLPH, MA 02368

Date Prepared: 3-10-04

Supersedes: 3-08-02

Prepared by: KJS

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Exposure Limits</u>	<u>Typical % by Weight</u>
1. Silicic Acid, Disodium salt	6834-45-9	N/A	70 - 80
2. Sodium Chloride	7647-14-5	N/A	10 - 20
3. Sodium Dodecylbenzene Sulfonate	25155-30-0	N/A	1 - 10

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: CORROSIVE to human tissue. Causes Severe Eye Burns! Can cause skin burns. Airborne dust is irritating to nose and throat. Harmful if swallowed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not take internally.

EFFECTS of OVEREXPOSURE:

CARCINOGENICITY:

NTP: No

IARC: No

OSHA: No

EYES: Causes severe eye burns on contact.

SKIN: Repeated or prolonged contact causes skin burns

INHALATION: Airborne dust causes choking & irritation of the mucous membranes.

INGESTION: Can result in severe gastric irritation, nausea, vomiting, pain and possible perforation of the GI tract.

CHRONIC EFFECTS and MEDICAL CONDITIONS: The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. This product may aggravate existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

SKIN: Immediately flush with water. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION: Remove to fresh air. Flush mouth and nasal passages with water. Get medical attention.

INGESTION: If swallowed, give several glasses of water. DO NOT INDUCE VOMITTING. If vomiting does occur, give fluids again and keep head below hips to help prevent aspiration. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: Not Combustible Test: Tag N/A

Explosive Limits: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Will not burn. OSHA/NFPA Fire Class – None. Use procedure which is appropriate to surrounding fire.

SPECIAL PROCEDURES & UNUSUAL HAZARDS: Alkaline Material. Minimize splashing. VERY SLIPPERY UNDERFOOT WHEN WET.

FIREFIGHTING INSTRUCTIONS: Firefighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Dilute small spills with plenty of water and discharge to sewer if permitted. May be neutralized with vinegar.

LARGE SPILLS: Limit access to area. Wear NIOSH/MSHA approved respirator. Shovel into appropriate disposal container. Keep spill out of sewers and open bodies of water.

VERY SLIPPERY UNDERFOOT WHEN WET!

7. HANDLING AND STORAGE

Handle according to good manufacturing and warehousing practices. Keep containers tightly closed when not in use. Use good personal hygiene practices. Wash hand before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Store only in tightly closed containers away from heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Avoid conditions that generate airborne dust. Wear chemical-resistant safety goggles if necessary. Contact lenses must not be worn.

PROTECTIVE GLOVES: Depending on conditions of use, protective gloves and face protection should be worn.

RESPIRATORY PROTECTION: No occupational exposure standards have been developed for this material. Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection equipment is recommended.

VENTILATION: Either local exhaust or general room ventilation is usually recommended during normal use.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Yellow, Granular Powder

BOILING POINT: Solid

FREEZE/MELT POINT: N/A

VAPOR PRESSURE (mm): N/A

VAPOR DENSITY (air=1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: ca 15% WT/WT

SPECIFIC GRAVITY: N/A

DENSITY: ca 2X water

pH(10% Solution): 13.2

ODOR: Mild Pine Odor

ODOR THRESHOLD (ppm): Not determined.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): Stable.

INCOMPATIBILITY: Strong acids, strong oxidizers and excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Strong solutions react with aluminum, zinc, tin etc. to form explosive hydrogen gas. If burned, carbon dioxide, carbon monoxide and smoke may be formed.

HAZARDOUS POLYMERIZATION: None

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11. TOXICOLOGICAL INFORMATION

No LD50 or LC50 found for oral, dermal or inhalation routes of administration.

12. ECOLOGICAL INFORMATION

Toxic to aquatic life. Do not discharge to streams, ponds, or waterways. Surfactant components are biodegradable.

13. DISPOSAL CONSIDERATIONS

RCRA: This product, if disposed as shipped, is considered a hazardous waste as specified in 40 CFR 261.22. Dilute solutions of this product with a pH of >12.5 are classified as hazardous waste.

Dispose in accordance with all applicable federal, state and local regulations.

14. TRANSPORT INFORMATION

SHIPPING NAME: Cleaning Compound, Solid
HAZARD CLASS: Not Regulated as HAZMAT
ID#: N/A
PACKING GROUP: N/A
LABEL: N/A

15. REGULATORY INFORMATION

This material does not contain nor was it manufactured using ozone-depleting chemicals.

U.S. FEDERAL REGULATIONS:

TSCA STATUS: All ingredients on Toxic Substance Control Act Inventory.

CERCLA REPORTABLE QUANTITY: Sodium Dodecylbenzene Sulfonate (1000 lbs)

SARA TITLE III:

Section 302 Extremely Hazardous Substances:	None.
Section 311/312 Hazardous Categories:	Immediate (Acute)
Section 313 Toxic Chemicals:	None.

16. OTHER INFORMATION

All label precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.

REFERENCES:

- U.S. Dept. of Health and Human Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Editions.
- Sax, N. Irving and Lewis, R.J.: Dangerous Properties of Industrial Materials, 7th Edition, Van Nostrand Reinhold Co., 1989.
- Lewis, R.J.: Hawley's Condensed Chemical Dictionary, 12th Edition, Van Nostrand Reinhold Co., 1993.
- U.S. Dept. of Transportation, U.S. Coast Guard: CHRIS Hazardous Chemical Data, 1982.
- U.S. Dept. of Labor, OSHA: Air Contaminants - Permissible Exposure Limits, 1989.
- National Fire Protection Association (NFPA): Fire Protection Guide on Hazardous Materials (NFPA 325M/49/491M/704), 9th Edition, 1986.
- National Fire Protection Association (NFPA): Hazardous Materials Response Handbook, Henry, M.F., Editor, 1989.
- Merck & Co., Inc.: The Merck Index, 11th Edition, 1989.

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