



SAVIN PRODUCTS COMPANY, INC.

SAFETY DATA SHEET

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Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards

EMERGENCY OVERVIEW:

Product Description: This product is a clear, pale yellow, thin, foamy liquid with a mild, ammoniacal odor.

Health Hazards: Causes severe skin burns and eye damage. Vapors or mist may cause respiratory tract damage. May be harmful if swallowed.

Flammability Hazards: This product is a Non-flammable product with a flash point >200F.

Reactivity Hazards: This product may react with metals (e.g., tin, aluminum, zinc and alloys containing these metals) generating flammable hydrogen gas.

Environmental Hazards: The environmental effects of this product have not been fully investigated.

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

SECTION 1 - IDENTIFICATION

1.1 TRADE NAME:	Action
SYNONYMS:	N/A
CAS#:	N/A
1.2 PRODUCT USE:	Cleaning Product
1.3 SUPPLIER/MANUFACTURER'S NAME:	Savin Products Company
ADDRESS:	214 High Street, Randolph, MA 02368 USA
BUSINESS PHONE:	781-961-2743
EMAIL:	
WEB SITE INFORMATION:	www.savinproducts.com
1.4 EMERGENCY PHONE NUMBERS:	1 (800) 424-9300 (CHEMTREC U.S. - 24 HRS.)

SECTION 2 - HAZARD IDENTIFICATION

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS

Complies with WHMIS 2015

GHS Hazard Symbols



Signal Word: Danger

2.1 GHS LABELING AND HAZARD CLASSIFICATION:

This product does meet the definition of a hazardous substance or preparation as defined by the OSHA and described in 29 CFR 1910.1200(d).

Component(s) Contributing to Classification(s):

All ingredients

2.2 LABEL ELEMENTS

GHS Hazard Classification(s):

Skin Corrosion - Category 1B

Serious Eye Damage - Category 1

Specific Target Organ Toxicity- repeated exposure (Inhalation) - Category 2 (Respiratory Tract)

Hazard Statement(s):

Causes severe skin burns and eye damage.
 May cause damage to organs (respiratory Tract) through prolonged or repeated exposure if inhaled

Precautionary Statement(s):

Avoid exposure
 Use only with adequate ventilation
 Wash hands thoroughly after handling
 In case of an accident or if you feel unwell- seek medical advice and show label.

Response Statement(s):

IF SWALLOWED: Call a Poison Control Center/Doctor.
IF SWALLOWED: Rinse mouth. Do **NOT** induce vomiting.
IF ON SKIN: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 Call a Poison Center/Doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage Statement(s):

Store in a well-ventilated place. Keep cool.
 Store locked up.

Disposal Statement(s):

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with skin or eyes, and inhalation of mists or spray. The symptoms of overexposure are described in the following paragraphs.

ACUTE:

INHALATION: Inhalation of mist from this product may cause respiratory irritation. May cause dizziness, nausea and/or breathing difficulties.

SKIN CONTACT: Exposure to this product may cause skin irritation.

EYE CONTACT: Contact with eyes can cause serious irritation with redness, tearing, and blurred vision.

INGESTION: Ingestion can cause gastric distress and nausea. Can result in damage to mouth, throat, esophagus and stomach.

CHRONIC: The effects of long term, low level exposures to this product have not been determined.

TARGET ORGANS: **ACUTE:** Eyes, Respiratory System, Skin **CHRONIC:** No data available for this product.

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

COMPOSITION	WT. PERCENTAGE	CAS #	HAZARD CLASSIFICATION
Water	70-80	7732-18-5	None
Sodium Hydroxide	1-5	1310-73-2	Skin Corrosion/Irritation - Cat 1, Eye Damage/Irritation - Cat 1, Corrosive to Metals - 1, Specific Target Organ Toxicity, Single Exposure - Cat 3 (respiratory)
Tetrasodium EDTA	5-10	64-02-8	Skin Corrosion/Irritation - Cat 2, Eye Damage/Irritation - Cat 1, Corrosive to Metals - 1, Specific Target Organ Toxicity, Single Exposure - Cat 2 (respiratory)
Nonylphenol Ethoxylate	1-5	9016-45-9	Skin Corrosion/Irritation - Cat 2, Eye Damage/Irritation - Cat 1, Acute Oral Toxicity - 4

Balance of other ingredients are less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers)

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format.

SECTION 4 - FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during Transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

SKIN CONTACT: If on clothes, remove clothes. Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

INHALATION:

INGESTION: Obtain medical attention. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Causes serious eye damage. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled. Causes severe burns.

4.3 RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

Water Spray: Yes

Foam: Yes

Halon: Yes

Carbon Dioxide: Yes

Dry Chemical: Yes

Other: Any "C" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

Combustion may produce noxious and irritating gases.

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

FLASH POINT: >200°F (>93°C)

AUTOIGNITION TEMPERATURE: Not applicable.

FLAMMABLE LIMITS (in air by volume, %): Lower: NA, Upper: NA

5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)		3	
FLAMMABILITY HAZARD (RED)		1	
PHYSICAL HAZARD (YELLOW)		0	
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe, *=Chronic Hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

See Section 8.2 for Exposure Controls.

6.2 ENVIRONMENTAL PRECAUTIONS:

Keep spilled material out of all sewers and open bodies of water.

6.3 SPILL AND LEAK RESPONSE:

Contain spill if safe to do so. Cover or absorb spilled liquid with sand, earth, or other inert material. Clean up spill immediately and place in appropriate containers. Keep spill out of sewers and open bodies of water. **CAUTION:** Floor may become slippery.

Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13 Disposal Considerations).

SECTION 7 – HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

As with all chemicals, avoid getting this product **ON YOU** or **IN YOU**. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

7.2 STORAGE AND HANDLING PRACTICES:

Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Keep away from strong acids and reactive materials.

7.3 SPECIFIC USES:

Developed specifically for general purpose cleaning.

SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

CHEMICAL NAME	CAS#	ACGIH TLV	OSHA TWA
Water	7732-18-5	Not Listed	Not Listed
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³
Tetrasodium EDTA	64-02-8	Not Listed	Not Listed
Nonylphenol Ethoxylate	9016-45-9	Not Listed	Not Listed

8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada.

RESPIRATORY PROTECTION: Not required when using this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.

EYE PROTECTION: Safety glasses or goggles are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Standards of Canada.

HAND PROTECTION: Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standard of Canada.

BODY PROTECTION: Not normally required when using this product. If necessary, refer to U.S. OSHA 29 CFR 1910.132 (also OSHA Technical Manual), or appropriate Standard of Canada.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (PHYSICAL STATE) AND COLOR: Clear, thin, foamy liquid with a mild, ammoniacal odor.

ODOR: Mild.

ODOR THRESHOLD: Not available.

PH: 13-14

MELTING/FREEZING POINT: Approx. 32°F (0°C)

BOILING POINT: 100°C

FLASH POINT: >93°C

EVAPORATION RATE (n-BuAc=1): Not available.

FLAMMABILITY (SOLID, GAS): Not applicable.

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not available.

VAPOR PRESSURE (mm Hg @ 68°F (20°C)): Not available.

VAPOR DENSITY: Not available.

RELATIVE DENSITY: 1.081 g/cm³ @ 20°C

SPECIFIC GRAVITY: 1.083 @ 20°C

SOLUBILITY IN WATER: soluble.

WEIGHT PER GALLON: 9.0 lbs

PARTITION COEFFICIENT (n-octanol/water): Not applicable.

AUTO-IGNITION TEMPERATURE: Not applicable.

DECOMPOSITION TEMPERATURE: Not available.

VISCOSITY: Not available.

9.2 OTHER INFORMATION:

No additional information available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 REACTIVITY:

Metals (e.g., tin, aluminum, zinc and alloys containing these metals) generating flammable hydrogen gas.

10.2 STABILITY:

No decomposition if stored and applied as directed.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

No decomposition if stored and applied as directed. Hazardous polymerization does not occur.

10.4 CONDITIONS TO AVOID:

No data available.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:

Strong acids, metals (e.g., tin, aluminum, zinc and alloys containing these metals) generating flammable hydrogen gas.

10.6 HAZARDOUS DECOMPOSITIONS PRODUCTS:

Carbon Oxides. Sodium Oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

Toxicity data is available for the following products

SUSPECTED CANCER AGENT: None of the following ingredients are found on one or more of the following lists: **FEDERAL OSHA Z LIST, NTP,**

CAL/OSHA, IARC and therefore are not considered to be, or suspected to be, a cancer-causing agent by these agencies.

IRRITANCY OF THE PRODUCT: Contact with this product can be damaging to exposed skin and eyes.

SENSITIZATION TO THE PRODUCT: This product is not considered a skin and respiratory sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information available

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Not classified as a specific target organ toxicity – single exposure.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: Classified as a specific target organ toxicity – repeated exposure.

CHRONIC EFFECTS: The effects of long term, low level exposures to this product have not been determined.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 TOXICITY:

No toxicity data available for this mixture.

12.2 PERSISTENCE AND DEGRADABILITY:

No specific data available for this mixture.

12.3 BIOACCUMULATIVE POTENTIAL:

No specific data available for this mixture.

12.4 MOBILITY IN SOIL:

No specific data available for this mixture.

12.5 OTHER ADVERSE EFFECTS:

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

This product, if disposed of as shipped, is considered a hazardous waste as specified in 40 CFR 261.

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, and those of Canada.

SECTION 14 – TRANSPORTATION INFORMATION

14.1 U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is hazardous (per 49 CFR 172.101) by the U.S. Department of Transportation as follows:

14.2 UN IDENTIFICATION NUMBER:

UN 1760

14.3 PROPER SHIPPING NAME:

Corrosive liquids, n.o.s. (Sodium Hydroxide, TETRASODIUM EDTA)

14.4 HAZARD CLASS NUMBER AND DESCRIPTION:

Corrosive, Class 8

14.5 PACKING GROUP:

PG II

DOT LABELS REQUIRED:

Corrosive

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:

154

14.6 ENVIRONMENTAL HAZARDS (RQ QUANTITY):

Not applicable.

MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.7 SPECIAL PRECAUTION FOR USER:

Use caution and avoid exposure.

14.8 INTERNATIONAL TRANSPORTATION:

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is considered as dangerous goods.

Note: Packaging does not comply with IATA regulations and cannot be shipped by aircraft.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is considered as dangerous goods.

SECTION 15 – REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

See below

15.2 UNITED STATES REGULATIONS:

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

ACUTE HEALTH: YES CHRONIC HEALTH: NO FIRE: NO REACTIVITY: NO

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Sodium Hydroxide (CAS: 1310-73-2) – 1000 lbs

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product can expose you to chemicals including 1,4-Dioxane, Ethylene Oxide, which are known to the State of California to cause cancer and Ethylene Oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

15.3 CANADIAN REGULATIONS:

CANADIAN DSL/NDLS INVENTORY STATUS: All components are DSL listed, NDSL listed, and/or are exempt from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LIST: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION AND SYMBOLS: This is considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and is therefore subject to the labeling and SDS requirements of the Workplace Hazardous Materials Information System (WHMIS) 2015.

SECTION 16 – OTHER INFORMATION

16.1 ABBREVIATIONS AND ACRONYMS:

EPA: United State Environmental Protection Agency

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

DATE OF CURRENT REVISION: March 12, 2024

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