

# Soak N Away Solid

## Stainless & Silverware Presoak

UNI-KEM CHEMICALS, INC.

802 Wm. Leigh Drive  
Tullytown, PA 19007  
Phone—800-752-1120  
Fax—215-269-9855

**GENERAL DESCRIPTION: SOAK N AWAY SOLID** is an alkaline solid designed for use as a presoak for silverware and silver table service. It also removes tarnish and stains from silver plate and sterling silver utensils. When used as directed, **SOAK-N-AWAY SOLID** will not harm fine and precious silver. It quickly penetrates and saturates soils for their more efficient removal in the dishwashing machine. **SOAK-N-AWAY SOLID** readily dissolves and produces excellent cleaning results in both hard and soft water. **SOAK-N-AWAY SOLID**'s detarnishing procedure removes sulphur type tarnish and stains with an easy application in a soak solution utilizing aluminum foil. **SOAK-N-AWAY SOLID** is highly concentrated and can be significantly diluted for economical use.

### PHYSICAL PROPERTIES:

Chemical Composition.....Synthetic soil penetrating  
and soil suspending agent;  
oxide removal agents;  
water conditioning agents.  
Appearance.....Yellow  
Stability .....1 year @ Ambient Temperature  
Wetting Ability.....Excellent  
Foaming.....Moderate  
Solubility .....Complete and Fast

### PACKAGING:

4/7 lb plastic jars - 28 lbs net / 31 lbs gross  
2/7 lb plastic jars—14 lbs net / 17 lbs gross

Code SAS

*Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.*



### DIRECTIONS FOR USE:

Detarnish silverware at 140°F to 150°F with the ware in contact with aluminum foil or an aluminum container. Electrolytic action takes place, which provides lift and scrubbing action. Leave silverware in the solution for 10 to 15 minutes. (DO NOT

leave silverware in the solution, in contact with aluminum, for longer periods as the aluminates formed may deposit on the ware.) When detarnishing knives, place them in solution in such a way that the blades (all those made of stainless steel) do not contact the aluminum directly.

**As a Presoak** for film removal on stainless steel tableware, use same concentrations and temperatures.

**NOTE:** DO NOT use aluminum containers or aluminum foil with stainless steel tableware. Contact with aluminum and stainless steel soaking in detergent solution can cause attack on both metals and damage to the surface of the stainless steel tableware. Also, chlorine type tarnish (caused by bleach or chlorine dishmachine compounds, and grey or black in color) is not removed by **SOAK-N-AWAY SOLID**. Hand polishing with silver creams is appropriate for this job.

### HANDLING PRECAUTIONS:

#### CAUTION: WARNING

#### KEEP OUT OF REACH OF CHILDREN.

Alkaline liquid. Contact with skin and eyes may cause severe irritation. Harmful if swallowed. Flood with water if splashed in eyes. Flush with water for 15 minutes and consult physician immediately. If ingested, drink large amounts of milk, milk of magnesia or gelatin, or if these are not available, drink large amounts of water. DO NOT induce vomiting. Obtain prompt medical attention.



# SAFETY DATA SHEET

Issuing Date 07-Aug-2013

Revision Date 07-Aug-2013

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Soak N Away Solid

### Other means of identification

**Product Code(s)** SAS

**Synonyms** Soak N Away Solid

### Recommended use of the chemical and restrictions on use

**Recommended Use** Institutional dish machine detergent

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

Uni-Kem Chemicals, Inc.  
802 Wm. Leigh Drive  
Tullytown, PA  
19007  
TEL: 800-752-1120

### Emergency telephone number

**Emergency Telephone Number** CHEM-TEL, INC.  
24 Hour Emergency Contact 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 1 Subcategory 1B
Serious Eye Damage/Eye Irritation	Category 2

### GHS Label elements, including precautionary statements

### Emergency Overview

**Signal Word** Danger

#### **Hazard Statements**

- Causes severe skin burns and eye damage
- Causes serious eye irritation

**Appearance** Solid**Physical State** Solid.**Odor** No information available**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- Immediately call a POISON CENTER or doctor/physician.

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse.

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion**

- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Storage**

- Store locked up.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms**

SAS

Chemical Name	CAS-No	Weight %	Trade secret
Sodium carbonate	497-19-8	15-30	*
Pentasodium triphosphate	7758-29-4	5-15	*
Sodium hydroxide	1310-73-2	1-5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**



**Description of necessary first-aid measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

**Most important symptoms/effects, acute and delayed**

Most Important Symptoms/Effects No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

Notes to Physician Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None

**Specific Hazards Arising from the Chemical**

No information available

**Explosion Data**

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

**Environmental Precautions**

Environmental Precautions Dispose of contents/container to an approved waste disposal plant.

**Methods and materials for containment and cleaning up**

Methods for Containment Stop leak if you can do it without risk

Methods for Cleaning Up Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

#### Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep from freezing. Keep container closed when not in use. Keep out of the reach of children.

#### Incompatible Products

Strong oxidizing agents. Strong acids. Alkaline. Do not mix with anything but water

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

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

### Appropriate engineering controls

#### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Chemical splash goggles.

#### Skin and Body Protection

Rubber gloves. Latex gloves

#### Respiratory Protection

Particle filtering face piece

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Solid	Appearance	Solid
Odor	No information available	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known

Specific Gravity	No data available.	None known
Water Solubility	100%	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Not flammable

Explosive Properties No data available

Oxidizing Properties No data available

#### Other information

VOC Content (%) No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Incompatible products.

### Incompatible materials

Strong oxidizing agents. Strong acids. Alkaline. Do not mix with anything but water

### Hazardous decomposition products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Causes serious eye irritation.
Skin Contact	Causes severe skin burns.
Ingestion	May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tribasic sodium phosphate dodecahydrate	= 7400 mg/kg ( Rat )	-	-
Sodium carbonate	= 4090 mg/kg ( Rat )	-	-
Water	90 mL/kg ( Rat )	-	-

Pentasodium triphosphate	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Sodium hydroxide	-	1350 mg/kg ( Rabbit )	-

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product**

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 7144 mg/kg; Acute toxicity estimate  
**LD50 Dermal** 14539 mg/kg; Acute toxicity estimate

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium carbonate 497-19-8	EC50 120 h: = 242 mg/L (Nitzschia)	LC50 96 h: = 300 mg/L static (Lepomis macrochirus) LC50 96 h: 310 - 1220 mg/L static (Pimephales promelas)		EC50 48 h: = 265 mg/L (Daphnia magna)
Pentasodium triphosphate 7758-29-4		LC50 48 h: = 1650 mg/L (Leuciscus idus)		
Sodium hydroxide 1310-73-2		LC50 96 h: = 45.4 mg/L static (Oncorhynchus mykiss)		

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

Chemical Name	California Hazardous Waste
Sodium carbonate	Corrosive
Sodium hydroxide	Toxic Corrosive

**14. TRANSPORT INFORMATION**

**DOT** Not regulated



## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
IECSC	Complies
PICCS	Complies
AICS	Complies

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

IECSC - China Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

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	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pentasodium triphosphate				X
Sodium hydroxide	1000 lb			X

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Pentasodium triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Sodium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Tribasic sodium phosphate dodecahydrate		X	X		
Pentasodium triphosphate		X	X		
Sodium hydroxide	X	X	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection X

Prepared By                      Product Stewardship  
   23 British American Blvd.  
   Latham, NY 12110  
   1-800-572-6501

Issuing Date                      07-Aug-2013  
Revision Date                      07-Aug-2013  
Revision Note                      Initial Release.

**General Disclaimer**

The information provided on this SDS 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 Safety Data Sheet**