

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

071097781

N/A

**SECTION 1: IDENTIFICATION OF PRODUCT**

FORMULA: SODIUM SILICATE SOLUTION.

SYNONYM OR CROSS REFERENCE: WATER GLASS



AMERICAN DENTAL SUPPLY, INC.

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www.americandentalsupply.net  
(800) 558-5925**MATERIAL  
SAFETY  
DATA****NFPA RATINGS**HEALTH HAZARD: 1  
FIRE & EXPLOSION: 0  
REACTIVITY: 0  
PROTECTION: B**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: AQUEOUS SOLUTION OF ALKALINE SODIUM SILICATE. CAS NO. 1344-09-8

NATURE OF HAZARD: IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES ON CONTINUED CONTACT.

**SECTION 3: PHYSICAL DATA**MELTING POINT: °F: NOT DETERMINED  
BOILING POINT: °F: 215  
VAPOR PRESSURE: (mm Hg): N/A  
SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.5  
VAPOR DENSITY: (Air =1): N/A  
WATER SOLUBILITY: COMPLETE  
PH OF SOLUTION: 10 - 11  
PERCENT VOLATILE: 60%.  
EVAPORATION RATE: (BuAc =1): N/A  
APPEARANCE: SLIGHTLY YELLOWISH, ALMOST CLEAR LIQUID, SLIGHT SOAPY ODOR.**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**FLASH POINT (method used): NON FLAMMABLE.  
FLAMMABLE LIMITS: NONE.

FIRE EXTINGUISHING MEDIA: NONE.

SPECIAL FIRE FIGHTING PROCEDURES: NONE.

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE.

**SECTION 5: HEALTH HAZARD**

THRESHOLD LIMIT VALUE: TLV (ACGIH): NONE ESTABLISHED (2MG./CUM AS SODIUM HYDROXIDE IF PRODUCT IS SPRAYED INTO THE AIR.)

HEALTH HAZARDS: Effects of overexposure to product.

Skin: PROLONGED CONTACT MAY CAUSE SKIN IRRITATION.

Eyes: CONTACT WILL CAUSE SEVERE IRRITATION IF NOT TREATED IMMEDIATELY.

Inhalation: CAN CAUSE UPPER RESPIRATORY TRACT IRRITATION.

Ingestion: WILL CAUSE IRRITATION TO MUCOUS MEMBRANES OF DIGESTIVE SYSTEM.

**FIRST AID PROCEDURES:**

Skin: WASH WELL WITH COOL WATER. IF IRRITATION DEVELOPS CONTACT A PHYSICIAN.

Eyes: FLUSH WITH PLENTY OF COOL WATER FOR 15 MINUTES. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

Inhalation: IF AFFECTED, REMOVE TO FRESH AIR. EXPOSURE NOT LIKELY IN NORMAL LAB USE.

Ingestion: DO NOT INDUCE VOMITING. GIVE WATER TO DRINK AND CONTACT A PHYSICIAN.

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

**SECTION 6: REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: NONE.

INCOMPATIBILITY (MATERIALS TO AVOID): ACTIVE METAL, ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION 7: SPILL AND DISPOSAL PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
CAN BE SPONGED UP AND FLUSHED WITH WATER.**WASTE DISPOSAL METHOD:**

DISPOSE OF RAGS OR TOWELS WET WITH THE MATERIAL IN PLASTIC BAG OR PLASTIC LINED TRASH CAN. LIQUID MAY BE FLUSHED DOWN DRAIN IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

**SECTION 8: PROTECTION INFORMATION**

VENTILATION: MECHANICAL (GENERAL) ACCEPTABLE.

SKIN: RUBBER GLOVES, IF IRRITATION OCCURS.

EYES: SAFETY GLASSES OR SPLASH GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER PROTECTIVE EQUIPMENT: EYE-WASH STATION.

**SECTION 9: HANDLING AND STORAGE (lab quantities)**

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

**SECTION 10: MISCELLANEOUS INFORMATION**

MATERIAL IS A CONCENTRATE. SOME APPLICATIONS CALL FOR DILUTING 1:1 WITH WATER.

**EMERGENCY RESPONSE: INFOTRAC: 1-800-535-5053****SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)**

Revision Date: 3/1/2013

Information Furnished By: L. D. Hochhauser  
Product Development Mgr.

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## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **WATER GLASS**

APPLICATION: SODIUM SILICATE SOLUTION.

EMERGENCY CONTACT: **INFOTRAC: 1-352-323-3500, TOLL-FREE 1-800-535-5053**

### SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

WARNING: IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES ON CONTINUED CONTACT.



#### SECTION 2A: PHYSICAL HAZARDS

N/A

#### SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: TLV (ACGIH): NONE ESTABLISHED (2MG./CUM AS SODIUM HYDROXIDE IF PRODUCT IS SPRAYED INTO THE AIR.)

SKIN: PROLONGED CONTACT MAY CAUSE SKIN IRRITATION.

EYES: CONTACT WILL CAUSE SEVERE IRRITATION IF NOT TREATED IMMEDIATELY.

INHALATION: CAN CAUSE UPPER RESPIRATORY TRACT IRRITATION.

INGESTION: WILL CAUSE IRRITATION TO MUCOUS MEMBRANES OF DIGESTIVE SYSTEM.

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

### SECTION 3: COMPOSITION / INGREDIENTS

MIXTURE: ☒ Yes ☐ No

AQUEOUS SOLUTION OF ALKALINE SODIUM SILICATE. CAS NO. 1344-09-8

### SECTION 4: FIRST AID MEASURES

SKIN: WASH WELL WITH COOL WATER. IF IRRITATION DEVELOPS CONTACT A PHYSICIAN.

EYES: FLUSH WITH PLENTY OF COOL WATER FOR 15 MINUTES. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

INHALATION: IF AFFECTED, REMOVE TO FRESH AIR. EXPOSURE NOT LIKELY IN NORMAL LAB USE.

INGESTION: DO NOT INDUCE VOMITING. GIVE WATER TO DRINK AND CONTACT A PHYSICIAN.

### SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: NON FLAMMABLE.

FLAMMABLE LIMITS: NONE.

FIRE EXTINGUISHING MEDIA: NONE.

SPECIAL FIRE FIGHTING PROCEDURES: NONE.

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: N/A

PROCEDURES: CAN BE SPONGED UP AND FLUSHED WITH WATER.

### SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

### SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: MECHANICAL (GENERAL) ACCEPTABLE.

SKIN: RUBBER GLOVES, IF IRRITATION OCCURS.

EYES: SAFETY GLASSES OR SPLASH GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER: EYE WASH STATION.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: SLIGHTLY YELLOWISH, ALMOST CLEAR LIQUID, SLIGHT SOAPY ODOR.

PH OF SOLUTION: 10 - 11

MELTING POINT: °F: NOT DETERMINED

BOILING POINT: °F: 215

SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.5

EVAPORATION RATE: (BuAC =1): N/A

VAPOR DENSITY: (Air =1): N/A

PERCENT VOLATILE: 60%.

VAPOR PRESSURE: (mm Hg): N/A

WATER SOLUBILITY: COMPLETE

## **SECTION 10: REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: NONE.

INCOMPATIBILITY (MATERIALS TO AVOID): ACTIVE METALS, ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: N/A

## **SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED CONTACT MAY CAUSE SKIN IRRITATION.

EYES: CONTACT WILL CAUSE SEVERE IRRITATION IF NOT TREATED IMMEDIATELY.

INHALATION: CAN CAUSE UPPER RESPIRATORY TRACT IRRITATION.

INGESTION: WILL CAUSE IRRITATION TO MUCOUS MEMBRANES OF DIGESTIVE SYSTEM.

CHRONIC EXPOSURE: PROLONGED CONTACT MAY CAUSE SKIN IRRITATION.

SENSITIZER: N/A

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

TERATOGENICITY: N/A

EMBRYOTOXICITY: N/A

MUTAGENICITY: N/A

PRE-EXISTING CONDITIONS: N/A

## **SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY: NO REPORTS

DEGRADABILITY: N/A

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE

MOBILITY IN SOIL: EXPECTED TO BE HIGH.

## **SECTION 13: DISPOSAL INFORMATION**

DISPOSE OF RAGS OR TOWELS WET WITH THE MATERIAL IN PLASTIC BAG OR PLASTIC LINED TRASH CAN. LIQUID MAY BE FLUSHED DOWN DRAIN IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

## **SECTION 14: TRANSPORT INFORMATION**

UN NUMBER: N/A

SHIPPING NAME: N/A

CLASS: N/A

PACKING GROUP: N/A

MARINE POLLUTANT: N/A

WARNING SYMBOL: N/A

OTHER: THE MATERIAL, IN LAB QUANTITIES, IS NOT REGULATED AS A HAZARD IN TRANSPORTATION BY THE US DOT.

**SECTION 15: REGULATORY INFORMATION**

LABELING: IRRITANT

NFPA RATINGS: HEALTH HAZARD: 1 FIRE & EXPLOSION: 0 REACTIVITY: 0 SPECIAL PROTECTION: B  
NATIONAL REGULATIONS:

TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST.

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.

SARA SECTION 313: N/A

INAPPLICABLE: NO COMPONENTS ARE SUBJECT TO TSCA SNUR LISTING.

FOREIGN REGULATIONS:

ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

**SECTION 16: OTHER INFORMATION**

MATERIAL IS A CONCENTRATE. SOME APPLICATIONS CALL FOR DILUTING 1:1 WITH WATER.

**SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)**

Revision Date: 3/11/2015

Information Furnished By: L. D. Hochhauser  
Product Development Mgr.

The above information is believed to be accurate and represents information currently available to us. Reasonable care has been taken in the preparation of this document; however, all the properties of this product may not have been completely evaluated. Users should make their own investigations to determine the suitability of the information for their particular purposes. We make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use or from improper use or handling of the product. "N/A" indicates that at the time of preparation of this SDS, this information may not have been available or is not applicable. As additional information becomes available, SDS will be updated.