

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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(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 DATAMELTING POINT: °F: NOT DETERMINED
BOILING POINT: °F: 215
VAPOR PRESSURE: (mm Hg): N/A
SPECIFIC GRAVITY: (H₂O=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 PROCEDURESSTEPS 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 (SODIUM SILICATE SOLUTION)**

APPLICATION: SODIUM SILICATE SOLUTION AS STONE SEPARATOR.

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

SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

WARNING: IRRITANT TO SKIN AND EYES.



SECTION 2A: PHYSICAL HAZARDS

N/A

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: TLV: NONE ESTABLISHED BY OSHA OR ACGIH.

SKIN: H315: CAUSES SKIN IRRITATION. CATEGORY 2

EYES: H319: CAUSES SERIOUS EYE IRRITATION. CATEGORY 2A

INHALATION: H332: HARMFUL IF INHALED. CATEGORY 4.

INGESTION: H302: HARMFUL IF SWALLOWED. CATEGORY 4

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: P302+352: IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P332+313: IF SKIN IRRITATION OCCURS: CONTACT A POISON CENTER OR DOCTOR/PHYSICIAN.

EYES: P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING. P337+313: IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION.

INHALATION: P304+340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P342+311: IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN. (NOT LIKELY IN NORMAL LAB USE).

INGESTION: P311: CALL A POISON CENTER/PHYSICIAN. P330+331: RINSE MOUTH. DO NOT INDUCE VOMITING.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

FIRE EXTINGUISHING MEDIA: P370+378: IN CASE OF FIRE: USE ANY MEANS APPROPRIATE FOR ADJACENT COMBUSTIBLE MATERIALS FOR EXTINGUISHING.

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES. IF SAFE, REMOVE CONTAINERS FROM SOURCES OF HEAT AND COOL THEM. WEAR PERSONAL PROTECTIVE EQUIPMENT TO AVOID EXPOSURE TO THE PRODUCT.

UNUSUAL FIRE AND EXPLOSION HAZARD: IF INVOLVED IN A FIRE, CONTAINERS MAY RUPTURE IF EXPOSED TO EXTREME HEAT.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: N/A

PROCEDURES: CAN BE SPONGED UP AND FLUSHED WITH WATER.

SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)

P102: KEEP OUT OF REACH OF CHILDREN. P402+404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER.

P403+235+410: STORE IN A WELL VENTILATED PLACE. KEEP COOL. PROTECT FROM SUNLIGHT. FOR LABORATORY OR OFFICE USE ONLY. DO NOT MIX WITH OTHER MATERIALS UNLESS DIRECTED TO DO SO. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: MECHANICAL IS ACCEPTABLE.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. NITRILE OR RUBBER IMPERMEABLE GLOVES.

EYES: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. SAFETY GLASSES OR 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: N/A

BOILING POINT: 215 F

SPECIFIC GRAVITY: 1.5

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

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

PERCENT VOLATILE: 60%

VAPOR PRESSURE: N/A

WATER SOLUBILITY: COMPLETE

SECTION 10: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): ACIDS, ACTIVE METALS

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL FORM IRRITATING FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED CONTACT WITH PRODUCT WILL CAUSE IRRITATION.

EYES: DIRECT EXPOSURE WILL CAUSE SEVERE IRRITATION, REDNESS AND BLURRED VISION.

INHALATION: INHALATION CAN CAUSE IRRITATION TO RESPIRATORY SYSTEM, SNEEZING, COUGHING, EXACERBATION OF PRE-EXISTING PULMONARY PROBLEMS.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

CHRONIC EXPOSURE: NO HUMAN DATA REPORTED

SENSITIZER: NO HUMAN DATA REPORTED

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: NOT ESTABLISHED FOR THIS MIXTURE.

DEGRADABILITY: EXPECTED TO BE BIODEGRADABLE

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.
MOBILITY IN SOIL: EXPECTED TO BE LOW.

SECTION 13: DISPOSAL INFORMATION

CAN BE WIPED UP WITH RAGS OR PAPER TOWELS. 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: LAB QUANTITIES OF MATERIAL ARE NOT REGULATED AS A HAZARD IN TRANSPORTATION BY US DOT.

SECTION 15: REGULATORY INFORMATION

LABELING: IRRITANT PICTOGRAM.
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

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

Revision Date: 8/25/2017 Information Furnished By: L. D. Hochhauser
Product Development Mgr.

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