

Section 1 - Chemical Product and Company Identification

GHS Product Identifier

S017 AgCl-saturated refill solution

Product Name

AgCl-saturated electrode refill solution

Manufacturer Name

Sensorex Corporation

Recommended Use/ Restrictions on Use

Use as refill solution bridge electrolyte in pH sensor. Not for household use.

Address (Number, Street, City, State and Zip Code)

11751 Markon Drive

Garden Grove, CA. 92841 USA

Emergency Telephone Number (24 hr) (800) 222-1222

American Association of Poison Control Centers

Telephone Number for Information

714-895-4344

Section 2 - Hazards Identification

GHS Classification: Not classified as hazardous material

Other hazards not classified or covered by GHS: None

Section 3 - Composition/Ingredient information

Chemical Identity	CAS Registry #	EC#	Percent Weight (%)
Potassium Chloride	7447-40-7	231-211-8	26
Silver Chloride	7783-90-6	232-033-3	<0.1
Deionized Water	7732-18-5	231-791-2	Balance

Section 4 - First Aid Measures

Description of Necessary First Aid Measures:
General: Consult a physician. Present this safety data sheet to the doctor in attendance. Move out of dangerous area.

IF INHALED: Move person into fresh air. If not breathing, perform rescue breathing and contact emergency medical personnel.

SKIN CONTACT: Wash off with soap and plenty of water. Consult a physician.

INGESTION: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

EYE CONTACT: Flush eyes with water.

Most important symptoms/effects, acute and delayed:
INHALATION: No data available

SKIN CONTACT: No data available

EYE CONTACT: No data available

INGESTION: No data available.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:

No data available

Section 5 - Fire-fighting Measures

Suitable extinguishing media:

SUITABLE: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

UNSUITABLE: No unsuitable extinguishing media known.

Specific hazards arising from the chemical (combustion products):

No data available

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus for fire-fighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency responders:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to Section 8 for Personal Protective Equipment.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material, and keep in suitable closed containers for disposal.

Section 7 - Handling and Storage

Precautions for safe handling:

Do not ingest. Do not get in eyes, skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibles:

Keep in tightly closed container. Store in a cool, dry, well-ventilated area.

INCOMPATIBLE MATERIALS: No data available

Section 8 - Exposure Controls/Personal Protection

Control parameters: No exposure limits noted for ingredient(s).

Appropriate Engineering Controls:

Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Individual protection measures, personal protective equipment:

RESPIRATORY PROTECTION: For conditions of use where exposure to dust or mist is apparent, a properly fitted, air-purifying or air-fed respirator must be worn.

SKIN PROTECTION: Wear impervious clothing, boots, chemical resistant gloves, lab coat, apron or coveralls to prevent skin contact.

EYE PROTECTION: Use chemical safety goggles and or a full face shield where splash is possible. Maintain eyewash fountain.

Section 9 - Physical and Chemical Properties

APPEARANCE: Clear, colorless liquid	pH: Approximately 7
ODOR: Odorless	BOILING POINT (°C): Approximately 100
ODOR THRESHOLD: N/A	MELTING POINT (°C): Approximately 0
FLASH POINT: N/A	FLAMMABILITY: N/A
VAPOR PRESSURE: No data available	VAPOR DENSITY: No data available
RELATIVE DENSITY: 1	SOLUBILITY IN WATER: Infinite
	PARTITION COEFFICIENT (n-octanol/water): No data available
	UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available
	EVAPORATION RATE compared with (n-butyl acetate = 1): 0.36 (water)
VISCOSITY: No data available	AUTO-IGNITION TEMPERATURE: N/A
	DECOMPOSITION TEMPERATURE: No data available

Section 10 - Stability and Reactivity

REACTIVITY:

Chemically inert

CONDITIONS TO AVOID:

Extreme heat and/or UV light

INCOMPATIBLE MATERIALS:

No data available.

CHEMICAL STABILITY:

Stable under normal conditions of use and storage.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

Section 11 - Toxicological Information

Acute toxicity: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

STOT Single exposure: Not classified.

STOT Repeated exposure: Not classified.

Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics:

INHALATION: No data available.

SKIN CONTACT: No data available.

EYE CONTACT: No data available.

INGESTION: No data available.

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

No data available

Numerical measure of toxicity:

No data available

Section 12 - Ecological Information

ECOTOXICITY:

Toxicity to fish:

Potassium chloride LC50 - *Pimephales promelas* (fathead minnow) 880 mg/L 96 hr.
 Mortality NOEC - *Pimephales promelas* (fathead minnow) - 500 mg/L 7 d.
 Mortality LOEC - *Pimephales promelas* (fathead minnow) - 1000 mg/L - 7d.

Toxicity to daphnia and other aquatic invertebrates:

EC50 - *Daphnia magna* (water flea): > 440 mg/L - 2 d (OECD Test guideline 202)

Toxicity to fish:

Silver chloride LC50 - *Lepidocephalichthyes guntea* 0.005 mg/L - 96 hr.

PERSISTENCE AND DEGRADABILITY: No data available

BIOACCUMULATIVE POTENTIAL: No data available

MOBILITY IN SOIL: No data available

OTHER ADVERSE EFFECTS: No data available

Section 13 - Disposal Considerations

Material does not have an EPA waste number and is not listed as wasted. Always contact a permitted waste disposal professional to assure compliance with federal, state and local regulations.

Section 14 - Transportation Information

UN NUMBER: Not classified as hazardous material

UN PROPER SHIPPING NAME: Not dangerous goods

TRANSPORT HAZARD CLASS(ES): Not dangerous goods

PACKING GROUP: Not dangerous goods

ENVIRONMENTAL HAZARD: Not classified as hazardous material

Section 15 - Regulatory Information - (NOT ALL INCLUSIVE)

UNITED STATES

OSHA STATUS:

The items listed on this Safety Data Sheet do not contain any hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health or safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of hazardous material.

TSCA STATUS:

All components of this solution listed on the TSCA Inventory are mixtures (hydrates) of items listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY: None.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: No

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: No

RCRA STATUS: No

California Proposition 65: Not listed

Section 16 - Other Information

Date of preparation: April, 2015.

This Safety Data Sheet replaces MSDS S17KCl-AgAgCl.

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and Sensorex Corporation assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.



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