Section 1 – Chemical Product and Company Identification

Product Identity: Sulfuric Acid 50% v/v

Chemical Family: Not Applicable
Synonyms: Not Applicable
Recommended Use: Laboratory chemicals

Manufacturer’s Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 03/02/07
Revision Date: 07/09/08, 05/03/10, 02/19/12

Section 2 – Hazard Identification

Emergency Overview: Corrosive liquid. Causes severe burns. Eye contact causes tissue damage and blindness. Ingestion causes corrosion of the mucosa of the mouth, throat, and esophagus with stomach discomfort and pain: dilute with large quantities of water. Do not induce vomiting. Get medical attention. Wash areas of contact for at least 15 minutes. If possible wipe off contacted areas with dry cloth to prevent heat.

Appearance: Clear, colorless liquid
Odor: Odorless

Target Organs: Eyes, skin, respiratory system, teeth

Potential Health Effects/ Routes of Exposure:

Eyes: Causes tissue damage and blindness.
Skin: Causes burns, blistering, local necrosis, and membrane ulceration. May be 2nd or 3rd degree burns.

Ingestion: Causes corrosion of the mucosa of the mouth, throat, and esophagus with stomach discomfort and pain, nausea, intense thirst, vomiting, circulatory collapse, clammy skin, weak and rapid pulse, shallow respiration, scanty urine, circulatory shock, and subsequent death.

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions: No information available

These chemicals are considered hazardous by OSHA. See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

Sulfuric Acid, CAS# 7664-93-9, 50% v/v
Water, purified, CAS# 7732-18-5, >49% v/v

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.
Skin: Wipe off contact areas with a dry cloth if possible, before flushing with water for at least 15 minutes. Get medical assistance. Dispose of cloth by soaking in water. Neutralize the soaking solution with sodium hydroxide solution.

Ingestion: DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable
Autoignition Temperature: No information available.
Explosion Limits Upper: No data available
Lower: No data available
Extinguishing Media: Dry Chemical, foam, or carbon dioxide.

Unsuitable Extinguishing Media: No information available

Fire & Explosion Hazards: Can react with metal to form flammable and explosive hydrogen gas.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information available

Sensitivity to mechanical impact: No information available.

Sensitivity to static discharge: No information available.

Specific Hazards Arising from the Chemical: No information available

NFPA Rating: (estimated) Health: 3; Flammable: 0; Reactivity: 2

Section 6 – Accidental Release Measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Environmental Precautions Not relevant considering the small amounts used.

Methods for Containment and Clean Up Cover spill with sodium carbonate or soda ash. Add water to slurry. Decant water to drain with excess water. Dispose of remaining solid as normal refuse. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes. Do not mix with bases.

Storage: Keep container tightly closed. Do not store near combustible materials. Protect from freezing and physical damage. Store in a cool, dry, well-ventilated area. Do not mix with bases.

Section 8 – Exposure Controls, Personal Protection

Sulfuric Acid, CAS# 7664-93-9, ACGIH TLV: 1mg/m3, OSHA PEL: 1mg/m3
Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.
Eye/Face Protection: Safety Glasses or goggles. Respiratory Protection: Normal ventilation is adequate

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Clear, colorless liquid
Odor: Odorless % Volatility: No Information Available
Boiling Point: Approx 100C Specific Gravity: 1.04-1.06
Melting Point: Below 0 Vapor Pressure: No Information Available
Vapor Density: No Information Available Flash Point: Not Applicable
Evaporation Rate: No Information Available Coefficient of water/oil distribution: Not Available
pH: < 3 Decomposition Temperature: No Information Available
Flammability: No Information Available Odor Threshold: Not Available
Solubility: Infinite Partition Coefficient n-octanol/water: No data
available Relative Density: No Information Available Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatible Materials: Organics, chlorates, alkalines, carbides, fulminates, reducing agents, nitrates, acetic acid, oxidizing agents, metals.

Conditions to Avoid: No Information Available.

Hazardous Decomposition Products: Oxides of sulfur.

Hazardous Polymerization: Does not occur

Hazardous Reactions: None under normal processing.
Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 orl-rat: 2140 mg/kg  LC50 inhalation-rat: 510 mg/m3/2H
Irritation: No Information Available
Toxicologically Synergistic: No Information Available
Chronic Exposure
Carcinogenicity No Information Available
Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Effects No information available.
Developmental Effects (Immediate/Delayed) No information available.
Teratogenicity No information available.
Other Adverse Effects No Information Available.
Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: Concentrated sulfuric acid has moderate acute and chronic toxicity to aquatic life. Small quantities will be neutralized by natural alkalinity.
Persistence and Degradability: No Information Available  Mobility: No Information Available
Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Neutralize with soda ash or calcium carbonate. All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT – UN2796, Sulfuric Acid Soln., 8, II

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are considered hazardous by OSHA.
Canada DSL: These chemicals are listed on the Canada DSL list.
TSCA: The components of this solution are listed on the TSCA Inventory
SARA Title III Section 313: Not Applicable
RCRA Status: Not Applicable
CERCLA Reportable Quantity: Sulfuric Acid – 1000lbs.
WHMIS: E: Corrosive Material
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.
Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product Identity: Potassium Iodide 50%

Chemical Family: Not Applicable
Synonyms: Not Applicable
Recommended Use: Laboratory chemicals

Manufacturer’s Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 12/28/06
Revision Date: 07/07/08, 06/18/10, 02/19/12

Section 2 – Hazard Identification

Emergency Overview
May irritate skin, eyes, and gastrointestinal tract. If ingested, give large quantities of water and induce vomiting. Wash areas of contact with water. Get medical attention.

Appearance: Clear, colorless to slight yellow liquid
Odor: Odorless
Target Organs: Gastrointestinal system, eyes, skin
Potential Health Effects / Routes of Exposure:
Eyes: May cause irritation, redness, pain, tearing
Skin: May cause slight irritation, redness, pain
Ingestion: Large doses may cause general gastrointestinal upset and nausea
Inhalation: May cause irritation to the respiratory tract, coughing and shortness of breath.
Chronic Effect / Carcinogenicity: No information available (IARC, NTP, OSHA)
Aggravated Medical Conditions: No information available
These chemicals are considered hazardous by OSHA.
See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

Potassium Iodide, CAS# 7681-11-0, 50% w/v
Water, purified, CAS# 7732-18-5, 50% w/v

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.
Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.
Ingestion: DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.
Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.
Notes to Physician: Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable
Autoignition Temperature: No information available.
Explosion Limits Upper: No data available
Lower: No data available
Extinguishing Media: Use appropriate media for surrounding materials.
Unsuitable Extinguishing Media: No information available.
Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.
Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.
Hazardous Combustion Products: No information Available
Sensitivity to mechanical impact: No information available.
Sensitivity to static discharge: No information available.
Specific Hazards Arising from the Chemical: No information available
NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.
Environmental Precautions: Not relevant considering the small amounts used.
Methods for Containment and Clean Up: Absorb with suitable material and treat as normal refuse. Liquid may be flushed to sewer.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.
Storage: Keep Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Potassium Iodide, CAS# 7681-11-0, ACGIH TLV: NA, OSHA PEL: NA
Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.
Personal Protection Equipment: Skin Protection: Chemical resistant gloves.
Eye/Face Protection: Safety Glasses or goggles. Respiratory Protection: Normal ventilation is adequate

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Clear, colorless liquid
Odor: Odorless
Boiling Point: Approx 100C
Melting Point: Approx 0 C
Vapor Density: No Information Available
Evaporation Rate: No Information Available
pH: No Information Available
Flammability: No Information Available
Solubility: Infinite
Relative Density: No Information Available
Molecular Weight: Not available
% Volatility: No Information Available
Specific Gravity: Approx 1.07-1.36
Vapor Pressure: No Information Available
Flash Point: Not Applicable
Coefficient of water/oil distribution: Not Available
Decomposition Temperature: No Information Available
Partition Coefficient n-octanol/water: No data

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatible Materials: Strong acids.
Conditions to Avoid: No Information Available.
Hazardous Decomposition Products: When heated to combustion may produce toxic iodine and iodide vapors.
Hazardous Polymerization: Does not occur
Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 oral-rat: No Information Available
LC50 inhalation-rat: No Information Available
Irritation: No Information Available
Toxicologically Synergistic: No Information Available
Chronic Exposure
Carcinogenicity: No Information Available
Sensitization: No information available.
Mutagenic Effects: Potassium Iodide has been investigated
Reproductive Effects: Potassium Iodide has been investigated. No information available.

Developmental Effects (Immediate/Delayed): No information available.

Teratogenicity: No information available.

Other Adverse Effects: No Information Available.

Endocrine Disruptor Information: No information available.

Section 12 – Ecological Information

Ecotoxicity: No information available.

Persistence and Degradability: No Information Available

Bioaccumulation/Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Dilute with water and flush to sewer.

All chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT - Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: These chemicals are on Canada’s DSL.

TSCA: The components of this solution are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable.

WHMIS: Non-controlled

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Additional Information

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Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification


Product Identity: Starch Ind. 1%

Chemical Family: Not Applicable
Synonyms: Not known
Recommended Use: Laboratory chemicals

Manufacturer’s Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 12/28/06
Revision Date: 05/24/10, 02/19/12

Section 2 – Hazard Identification

Emergency Overview
Wash areas of contact with water. If ingested, dilute with water and get medical assistance.

Appearance: Translucent liquid Odor: Slight potato-like odor
Target Organs: Eyes and skin.
Potential Health Effects/ Routes of Exposure:
Eyes: May cause slight irritation.
Skin: May cause slight irritation.
Ingestion: Large doses may cause upset stomach
Inhalation: Not likely to be a hazard by inhalation.
Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)
Aggravated Medical Conditions No information available
These chemicals are not considered hazardous by OSHA.
See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

Salicylic Acid, CAS# 69-72-7, 0.1% w/v
Starch, CAS# 9005-25-8, 1.0% w/v
Water, purified, CAS# 7732-18-5, >98% w/v

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.
Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.
Ingestion: Dilute with water or milk. Get medical assistance.
Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.
Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable Autoignition Temperature No information available.
Explosion Limits Upper No data available Lower No data available
Extinguishing Media: Any means suitable for extinguishing fire.
Unsuitable Extinguishing Media: No information available
Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.
Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information Available
Sensitivity to mechanical impact: No information available.
Sensitivity to static discharge: No information available.
Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors

NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions: Use proper personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions: No information available.

Methods for Containment and Clean Up: Absorb with suitable material and release to sewer. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes. Minimize dust.

Storage: Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Salicylic Acid, CAS# 69-72-7, ACGIH TLV: NA, OSHA PEL: NA
Starch, CAS# 9005-25-8, ACGIH TLV: 10 mg/m3, OSHA PEL: 15 mg/m3
Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.
Eye/Face Protection: Safety Glasses or goggles. Respiratory Protection: Normal ventilation is adequate.

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Translucent liquid
Odor: Slight potato-like odor
Boiling Point: No information available
Melting Point: No information available
Vapor Density: No information available
Evaporation Rate: Not available
pH: Not Applicable
Flammability: No Information Available
Solubility: Infinite

Relative Density: No Information Available
Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatible Materials: Strong oxidizers
Hazardous Decomposition Products: Oxides of carbon
Hazardous Polymerization: Does not occur
Hazardous Reactions: Not Available

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 oral-rat: 891 mg/kg (Salicylic acid) LC50 inhalation-rat: NA
Irritation: No Information Available
Toxicologically Synergistic: No Information Available

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**Chronic Exposure**

**Carcinogenicity** There are no known carcinogenic chemicals in this product

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Reproductive Effects** No information available.

**Developmental Effects (Immediate/Delayed)** No information available.

**Teratogenicity** No information available.

**Other Adverse Effects** No information available.

**Endocrine Disruptor Information** No information available

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**Section 12 – Ecological Information**

**Ecotoxicity:** Not applicable

**Persistence and Degradability:** No Information Available  
**Mobility:** No Information Available

**Bioaccumulation/ Accumulation:** No Information Available

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**Section 13 – Disposal Considerations**

**Waste Disposal/Waste Disposal of Packaging:** Dilute with water and flush to sewer.

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**Section 14 – Transport Information**

**DOT** – Not Regulated

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**Section 15 – Regulatory Information (not meant to be all inclusive)**

**OSHA Status:** These chemicals are not considered hazardous by OSHA.

**Canada DSL:** These chemicals are on Canada’s DSL list.

**TSCA:** The components of this solution are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** Not Applicable

**CERCLA Reportable Quantity:** Not Applicable

**WHMIS:** Not controlled.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

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**Section 16 – Additional Information**

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Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification


Product Identity: Peracetic Acid DT / Sodium Thiosulfate 0.10N (N/10) (0.1M)

**Chemical Family:** Not Applicable

**Synonyms:** Thiosulfuric acid, disodium salt pentahydrate solutions (certified)

**Recommended Use:** Laboratory chemicals

Manufacturer’s Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331

Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 12/28/06

Revision Date: 09/30/09, 04/21/10, 07/15/10, 02/19/12, 04/12/13

Section 2 – Hazard Identification

**Emergency Overview**
Non-flammable, non-corrosive, non-toxic. May be irritating to the skin and eyes. Wash areas of contact with water. If ingested, dilute with water and get medical attention.

**Appearance:** Clear, colorless liquid  
**Odor:** Odorless

**Target Organs:** None

**Potential Health Effects/ Routes of Exposure:**

**Eyes:** May cause irritation.

**Skin:** May cause irritation.

**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation, diarrhea, nausea and vomiting.

**Inhalation:** May cause mild irritation to the upper respiratory tract.

**Chronic Effect / Carcinogenicity:** None (IARC, NTP, OSHA)

**Aggravated Medical Conditions** No information available

These chemicals are not considered hazardous by OSHA. See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

- Sodium Thiosulfate, Pentahydrate CAS# 10102-17-7, <2.6% w/v
- Sodium Tetraborate, CAS# 1303-96-4, <1% w/v
- Water, purified, CAS# 7732-18-5, >96% w/v

Section 4 – First Aid

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

**Skin:** Flush with water for 15 minutes. Get medical assistance if irritation develops.

**Ingestion:** Do NOT induce vomiting. Dilute with water. Get medical assistance.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

**Notes to Physician** Treat symptomatically.

Section 5 – Fire Fighting Measures

**Flash Point:** Not Applicable  
**Autoignition Temperature** No information available.

**Explosion Limits Upper** No data available  
**Lower** No data available

**Extinguishing Media:** Any means suitable for extinguishing fire.

**Unsuitable Extinguishing Media:** No information available

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.
Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information available
Sensitivity to mechanical impact: No information available
Sensitivity to static discharge: No information available

Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors

NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions: Use proper personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions: Should not be released into environment.

Methods for Containment and Clean Up: Absorb with suitable material and containerize for disposal. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.
Storage: Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Sodium Thiosulfate, CAS# 10102-17-7, ACGIH TLV: NA, OSHA PEL: NA
Sodium Tetraborate, CAS# 1303-96-4, ACGIH TLV: NA, OSHA PEL: NA
Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.
Eye/Face Protection: Safety Glasses or goggles. Respiratory Protection: Normal ventilation is adequate.

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Clear, colorless liquid
Odor: Odorless
Boiling Point: Approx 100°C
Melting Point: Approx 0°C
Vapor Density: No Information Available
Evaporation Rate: >1
pH: No Information Available
Flammability: No Information Available
Solubility: Soluble in water.
Relative Density: No Information Available

% Volatility: No Information Available
Specific Gravity: 1-1.1
Vapor Pressure: 14 mmHg
Flash Point: Not Applicable
Coefficient of water/oil distribution: Not Available
Odor Threshold: Not Available
Decomposition Temperature: No Information Available
Partition Coefficient n-octanol/water: Not Available
Molecular Weight: Not Available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatible Materials: Metal nitrates, sodium nitrate, iodine, acids, lead, mercury, and silver salts.
Hazardous Decomposition Products: Oxides of sodium and sulfur
Hazardous Polymerization: Does not occur
Hazardous Reactions: Thiosulfate solutions are subject to some bacterial contamination and slow chemical deterioration.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 orl-rat: 5000mg/kg (Sodium Thiosulfate pentahydrate)
LC50 inhalation-rat: NA
Irritation: No Information Available
Toxicologically Synergistic: No Information Available
**Chronic Exposure**

**Carcinogenicity** There are no known carcinogenic chemicals in this product

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Reproductive Effects** No Information available.

**Developmental Effects (Immediate/Delayed)** No information available.

**Teratogenicity** No information available.

**Other Adverse Effects** No information available.

**Endocrine Disruptor Information** No information available

**Section 12 – Ecological Information**

**Ecotoxicity:** Do not empty into drains.

**Persistence and Degradability:** No Information Available  
**Mobility:** No Information Available

**Bioaccumulation/Accumulation:** No Information Available

**Section 13 – Disposal Considerations**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

**Section 14 – Transport Information**

**DOT** – Not Regulated

**Section 15 – Regulatory Information (not meant to be all inclusive)**

**OSHA Status:** These chemicals are not considered hazardous by OSHA.

**Canada DSL:** No Information Available

**TSCA:** The components of this solution are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** Not Applicable

**CERCLA Reportable Quantity:** Not Applicable

**WHMIS:** Not Controlled

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Section 16 – Additional Information**

**Disclaimer:** The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.