

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Catalog Numbers: SE4005-A, SE4005-B, SE4005-C, SE4005-D, SE4005-P, SE4005-Q, SE4005-G, SE4005-T

Product Identity: Seliwanoff Reagent

Chemical Family: Not Applicable

Synonyms: None

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: 08/15/12

Revision Date:

Section 2 – Hazard Identification

Emergency Overview

Causes severe burns. Toxic by inhalation and ingestion. Severe corrosive to all body tissues, especially skin and eyes.

Avoid all body contact.

Appearance: Clear, colorless liquid

Odor: Pungent chlorine-like odor.

Target Organs: Skin and eyes.

Potential Health Effects/ Routes of Exposure:

Eyes: Causes severe burns and eye damage upon direct contact. Vapor is irritating.

Skin: May cause irritation or burns.

Ingestion: May cause irritation and damage of the digestive tract.

Inhalation: May severely irritate or damage mucous membranes and respiratory tract.

Chronic Effect / Carcinogenicity: None.

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

Resorcinol, CAS# 108-46-3, <1% w/v

Hydrochloric acid, CAS# 7647-01-0, 11%

Water, purified, CAS# 7732-18-5, 89%

Section 4 – First Aid

Eyes: Flush eyes with water for at least 15 minutes. Get medical assistance if irritation develops.

Skin: Flush skin with water for 15 minutes. Get medical assistance if irritation develops or persists.

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

Inhalation: Remove to fresh air immediately. Do not use mouth-to-mouth resuscitation. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Get medical attention if cough or other symptoms appear.

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 means suitable to extinguishing surrounding fire.

Unsuitable Extinguishing Media: No information available

Fire & Explosion Hazards: Nonflammable.

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

Hazardous Combustion Products: When heated to decomposition, emits toxic fumes of Cl.

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: 2; Flammable: 0; Reactivity: 2

Section 6 – Accidental Release Measures

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

Environmental Precautions Do not let this material enter the environment.

Methods for Containment and Clean Up Clean up spills immediately observing spills in Section 8. Absorb with an absorbent material and containerize for disposal. Provide ventilation. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Remove contaminated clothing and wash before reuse. Avoid contact with skin, eyes and clothing. Avoid ingestion or inhalation.

Storage: Keep containers tightly closed in a cool, dry, well-ventilated area away from incompatible materials. Store in a dedicated acid cabinet. Use and dispense in a hood.

Section 8 – Exposure Controls, Personal Protection

Resorcinol, CAS# 108-46-3, ACGIH TLV: NA, OSHA PEL: NA

Hydrochloric acid, CAS# 7647-01-0, ACGIH TLV: NA, OSHA PEL: NA

Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: 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 adequate.

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Clear, colorless liquid

Odor: Pungent chlorine-like odor.

Boiling Point: Not available

Melting Point: Not available

Vapor Density: Not available

Evaporation Rate: Not available

pH: Acidic

Flammability: No information available

Solubility: Not available

Relative Density: No information available

% Volatility: No information available

Specific Gravity: Not available

Vapor Pressure: Not available

Flash Point: No information available

Coefficient of water/oil distribution: Not available

Odor Threshold: Not available

Decomposition Temperature: Not available

Partition Coefficient n-octanol/water: Not available

Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials, excess heat, dust generation.

Incompatible Materials: Strong oxidizers, bases, amines, alkali metals, copper, copper alloys, aluminum.

Hazardous Decomposition Products: No information available

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: NA LC50 inhalation-rat: NA

Irritation: No information available.

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity There are no known carcinogens 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. Do not let this chemical enter the environment.

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: 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 – UN1789, Hydrochloric Acid, 8, II

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

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

Canada DSL: Not available

TSCA: Not available

SARA Title III Section 313: Not available

RCRA Status: Resorcinol - U201

CERCLA Reportable Quantity 5000 lb

WHMIS: E, D1B

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.