

# SAFETY DATA SHEET

## CHABOT'S SCHIFF'S REAGENT

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Chabot's Schiff's Reagent

**Catalog Numbers:** SO-1068

**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923

**For information, call:** 978-739-4883

**Emergency Number:** 800-424-9300

**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

#### GHS Classifications

##### HEALTH HAZARDS

H302-Acute Oral Toxicity: 4  
H312-Acute Dermal Toxicity: 4  
H332-Acute Inhalation Toxicity: 4  
H315-Skin Corrosion/Skin Irritation: 2  
H319-Eye damage/Irritation: 2A  
H334-Respiratory Sensitization: 1  
H317-Skin Dermal Sensitization: 1  
H341-Germ Cell Mutagenicity: 2  
H351-Carcinogenicity: 2  
H361-Reproductive Toxicity: 2  
H304-Aspiration Hazard: 1

##### PHYSICAL HAZARDS

H290-Corrosive to Metals: 1

##### ENVIRONMENTAL HAZARDS

Aquatic acute environmental Hazards: Not classified

Chronic environmental Hazards: 4

## Pictograms or Hazard symbols and Hazard statement.



Warning: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.



Danger: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May be fatal if swallowed and enters airways.

Warning: Suspected of causing genetic defects. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.



Warning: May be corrosive to metals.

## Precautionary Statement

H315+H302+H312

**P264**-Wash thoroughly after handling.

**P270**-Do not eat, drink or smoke when using this product.

**P280**-Wear protective gloves.

**P301+P312**-IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**P302+P352**-IF ON SKIN: Wash with plenty of soap and water.

**P330**-Rinse mouth.

**P332+P313**-If skin irritation occurs: Get medical advice/attention.

**P362**-Take off contaminated clothing and wash before reuse

**P363**-Wash contaminated clothing before reuse.

H332

**P261** Avoid breathing fumes/mist/vapors.

**P271** Use only outdoors or in a well-ventilated area.

H319

**P337 + P313** If eye irritation persists, get medical advice/attention.

H334

**P285** In case of inadequate ventilation, wear respiratory protection

**P304+P341** IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**P342+P311** if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

H320

**P305+P351+P338**-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337+P313**-If eye irritation persists: Get medical advice/attention.

H290

**P234**-Keep only in original container.

**P390**-Absorb spillage to prevent material damage.

**P406**-Store in corrosive resistant/container with a resistant inner liner.

**H317**

**P261** Avoid breathing fumes/mist/vapors.

**P281** Use personal protective equipment as required.

**H341+H351+H361**

**P201** Obtain special instructions before use.

**P202** Do not handle until all safety precautions have been read and understood.

**P308 + P313** If exposed or concerned, get medical advice/attention.

**P405** Store locked up.

**H304**

**P331**-Do NOT induce vomiting.

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
632-99-5	Basic Fuchsin	0.5 w/v
16731-55-8	Potassium Metabisulfite	1.0 w/v
7647-01-0	Hydrochloric Acid	5.0 v/v
7732-18-5	Water	Balance

### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0

### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

## Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Sulfurous. Pungent. Irritating (Strong.)

**pH:** N/A

**Water.**

**Vapor Pressure:** 2.3 kPa @ 20deg. C

**Vapor Density:** 0.62 (Air=1)

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 100 deg. C

**Solubility:** N/A

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.

**Conditions to Avoid:** Heat, freezing, incompatible materials.

**Incompatibilities with Other Materials:** Acetic anhydride, chlorosulfonic acid, hexachloromelamine, nitric acid, nitrogen tetroxide and sulfuric acid, nitrobenzene and glycerine, oleum, ozone, perchloric acid + formaldehyde, perchromates, performic acid, potassium peroxide, propiolactone (beta), silver perchlorate, sodium peroxide, sulfuric acid, trichloromelamine, oxidizing materials, acids, anilinium chloride, benzenediazonium-2-carboxylate, boron trichloride, 1-chloro-2,3 epoxypropane, dibenzoyl peroxide, nitromethane, nitrous acid, and tetranitromethane, organic materials, alkalis.

**Hazardous Decomposition Products:** Carbon monoxide, hydrogen chloride,

nitrogenoxides, carbon dioxide, irritating and toxic fumes.

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**

CAS# 7647-01-1:

Oral rabbit LD50: 900 mg/kg.

Skin: rabbit LD50: 1.06 g/kg

Inhalation mouse LC50: 1108 ppm/1-hr; investigated as a mutagen, reproductive effector.

CAS# 632-99-5: not listed

CAS# 16731-55-8: not listed

**Carcinogenicity:**

CAS# 7647-01-1: Not listed by ACGIH, NTP, or CA Prop 65.

Classified 3 (not classifiable for human) by IARC.

CAS# 632-99-5: Not listed by ACGIH, NTP, or CA Prop 65.

Classified group 2B carcinogen by IARC.

CAS# 16731-55-8: Not listed by ACGIH, NTP, or CA Prop 65.

Classified 3 (not classifiable for human) by IARC.

## Section 12 - Ecological Information

**Ecotoxicity:** No information available.

**Environmental:** No information available.

**Physical:** No information available.

**Other:** No information available.

## Section 13 - Disposal Considerations

**Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

## Section 14 – Transport Information

**DOT**

Non-Regulated

## Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: 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.

**European/International Regulations  
European Labeling in Accordance with EC Directives**

**Risk Phrases:**

R23/24/25 Harmful by inhalation, in contact with skin and if swallowed  
R36/38 Irritating to eyes and skin  
R45 May cause cancer

**Safety Phrases:**

S20/21 When using do not eat, drink or smoke  
S2 Keep out of the reach of children.  
S7 Keep container tightly closed.  
S9 Keep container in a well-ventilated place

Section 16 - Additional Information
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**MSDS Creation Date:** 10/15/12

**Revision #1. CF 9/6/13**

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