

Safety Data Sheet

Safranin O Solution, 1% in 0.1% Acetic Acid

Section 1 - Chemical Product and Company Identification

SDS Name: Safranin O Solution, 1% in 0.1% Acetic Acid

Catalog Numbers: SO-1011

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

H315-Skin Corrosion/Skin Irritation: 2

H320-Eye damage/Irritation: 2B

PHYSICAL HAZARDS

H290-Corrosive to Metals: 1

ENVIRONMENTAL HAZARDS

Aquatic acute environmental Hazards: Not classified

Chronic environmental Hazards: Not classified

Pictograms or Hazard symbols and Hazard statement.



Warning: Causes skin irritation.
Causes eye irritation.



Warning: May be corrosive to metals

Precautionary Statement

H315

P264-Wash thoroughly after handling.

P280-Wear protective gloves.

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

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

P362-Take off contaminated clothing and wash before reuse

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.

WARNING! Causes skin irritation. Causes eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not breathe vapors; use with adequate ventilation. **May be corrosive to metals.** Keep only in original container.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
477-73-6	Safranin O	1.0 w/v
64-19-7	Acetic Acid	0.1 v/v
7732-18-5	Water	99.0 v/v

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

NFPA HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

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. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

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

Flash Point: N/A

Auto ignition Temperature: N/A

Explosion Limits: N/A

Upper: N/A

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. Avoid contact with skin, eyes and clothing. Store at room temperature.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Mechanical exhaust

Personal Protective Equipment:

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Red

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: Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

Hazardous Decomposition Products: not known

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 477-73-6:

LD50/LC50: Not available.

Carcinogenicity:

CAS# 477-73-6: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Routes of exposure: Multiple routes: May cause irritation, May be harmful by ingestion, or skin absorption.

RTECS#: CAS# 64-19-7:

LD50/LC50:

Oral LD50: 3310 mg/kg [rat]

Oral LD50 4960 mg/kg [mouse]

Dermal LD50 3530 mg/kg [rat]

Dermal LD50 1060 mg/kg [rabbit]

Vapor LC50 5620 ppm 1Hr [mouse]

Carcinogenicity:

CAS# 64-19-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.
Reproductive Effects: No information available.
Neurotoxicity: No information available.
Mutagenicity: No information available.

Routes of exposure: Multiple routes: May cause irritation, May be harmful by ingestion, or skin absorption.

Section 12 - Ecological Information

Ecotoxicity:

CAS# 477-73-6 Safranin O: Not Available
CAS# 64-19-7 Glacial Acetic Acid:
(LC50) 423 mg/24 HR [Fish (Goldfish)]
88 ppm 96 HR [Fish (fathead minnow)]
75 ppm 96 HR [Fish (Bluegill Sunfish)]
>100 ppm 96 HR [Daphnia]

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:

R22 Harmful by inhalation, in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

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

MSDS Creation Date: 1/8/2010

Revision #1 4/28/14 YM/ MH 7/5/14

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