

Material Safety Data Sheet

CONGO RED, 1%, AQUEOUS

Section 1 - Chemical Product and Company Identification

MSDS Name: Congo Red, 1% Aqueous

Catalog Numbers: SO-496

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

H303 **Acute Oral Toxicity:** 5
H313 **Acute Dermal Toxicity:** 5
H316 **Skin Corrosion/ Skin Irritation:** 3
H320 **Eye Damage/ Irritation:** 2B
H334 **Respiratory Sensitization:** 1B
H317 **Skin dermal Sensitization:** 1B
H341 **Germ Cell Mutagenicity:** 2
H351 **Carcinogenicity:** 2
H373 **Specific Target Organ Toxicity:** 2

Physical Hazards

Not Classified

Environmental Hazards

Acute Aquatic Environmental Hazards: Not Classified

Chronic Environmental Hazards: Not Classified

Pictograms or Hazard Symbols and Hazard Statement



Warning! May be harmful if swallowed
May be Harmful in contact with skin

Warning! Causes mild skin irritation
Causes eye irritation



Warning! May cause an allergic skin reaction



Danger! May cause allergy or asthma symptoms or breathing difficulties if inhaled. Warning! Suspected of causing genetic defects. Mutagenic for mammalian somatic cells. Suspected of causing cancer. May cause damage to the following organs: blood, liver, spleen and thyroid through repeated or prolonged exposure.

Precautionary Statement Prevention

H303

P312 Call a physician if you feel unwell.

H313

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

H316

P332 + P313 If skin irritation occurs, get medical advice/attention.

H320

P264 Wash thoroughly after handling.

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.

H334

P261 Avoid breathing fumes/mist/vapors.

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.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H317

P272 Contaminated work clothing should not be allowed out of the work place.

P333+P313 IF ON SKIN: Wash with plenty of soap and water.

P363 Wash contaminated clothing before reuse.

H341+H361

P201 Obtain special instructions before use.

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

P281 Use personal protective equipment as required.

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

P405 Store locked up.

H351

P201 Obtain special instructions before use.

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

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

H373

P260 Do not breathe fume/gas/mist/vapors.

P314 Get medical advice/attention if you feel unwell.

H272

P210 Keep away from heat, flames, and hot surfaces. No smoking.

P220 Store away from combustible materials. Incompatible with: reducing agents, easily oxidized materials, organic materials and metal powders.

P221 Take any precaution to avoid mixing with combustibles.

P370 + P378 In case of fire (see section 5)

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
573-58-0	Congo Red	1 w/v
7732-18-5	Water	100 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

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate:N/A

Viscosity: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Decomposition Temperature:N/A

Solubility: Soluble.

Specific Gravity/Density: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: CX9850100: CAS# 573-58-0 Congo Red: Oral (LD50): Acute: 15200 mg/kg [Rat]

LC50: None Listed: investigated as a mutagen for mammalian somatic cells

Carcinogenicity:

CAS# 569-61-9: Basic Fuchsin: Not listed by ACGIH, NTP or CA Prop 65.

Classified group 2B carcinogen by IARC

Routes of exposure: Multiple routes: May cause irritation, May be harmful by ingestion, or skin absorption. . Basic Fuchsin is a cancer suspect Agent.

Section 12 - Ecological Information

Ecotoxicity:

CAS# 5573-58-0: Congo Red: Not 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:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R36/38 Irritating to eyes and skin
R45 May cause cancer
R42/43 May cause sensitization by inhalation and skin contact
R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

Safety Phrases:

S3/7/9 Keep container closed in a cool, well-ventilated place
S24/25 Avoid contact with skin and eyes
S20/21 When using do not eat, drink or smoke
S2 Keep out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of soap and water
S37/39 Wear suitable gloves and eye/face protection
R42/43 May cause sensitization by inhalation and skin contact

Section 16 - Additional Information

MSDS Creation Date: 1/8/2010

Revision #1 8/15/14 YM

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