

# Safety Data Sheet

## CONGO RED, 0.5% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Congo Red, 0.5% Aqueous

**Catalog Numbers:** SO-312, L-760-1, MA-600-2

**Company Identification:** Transene Company, Inc., DBA ROWLEY BIOCHEMICAL, Inc.  
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

H320-Serious eye damage/eye irritation: 2B

H350-Carcinogenicity: 1B

H361-Reproductive toxicity: 2

#### Pictograms or Hazard symbols and Hazard statement(s):



Signal Word: Danger

#### Hazard Statements:

H320-Causes eye irritation

H350-May cause cancer

H361-Suspected of damaging fertility or the unborn child

#### Precautionary Statements:

P201-Obtain special instructions before use.

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

P264-Wash thoroughly after handling.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338-If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

P405-Store locked up.

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

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
573-58-0	Congo Red	0.5 w/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. Seek medical attention.

**Oral Exposure:** If swallowed, seek immediate medical attention. Rinse mouth with water.

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

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use dry chemical, carbon dioxide, dry sand, water spray, or alcohol-resistant foam.

**Hazardous Combustion Products:** Carbon oxides, nitrogen oxides, sodium oxides, sulfur oxides, ammonia, irritating and toxic fumes and gases.

**Flash Point:** Not available

**Autoignition Temperature:** Not available

**Explosion Limits, Lower:** Not available

**Upper:** Not available

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

### Section 6 - Accidental Release Measures

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

Wear personal protective equipment. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Ensure adequate ventilation.

**Methods for Cleaning up:** Absorb with sand, earth, or vermiculite. Carefully sweep up and containerize for proper disposal. Do not release to the environment. Do not release to drains.

### Section 7 - Handling and Storage

Use care when handling. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Ensure adequate ventilation. Do not ingest or inhale. Wash thoroughly after handling. Store in a tightly closed container in a cool, dry, and well-ventilated area. 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.

**Exposure Limits:**

Chemical Name	ACGIH - TLV	NIOSH - IDLH	OSHA - Final PELs
Congo Red CAS#573-58-0	Not listed	Not listed	Not listed

### Section 9 - Physical and Chemical Properties



**CAS#573-58-0 Congo Red: RTECS#: QK1400000**

LD50 Oral: 15,200 mg/kg (rat)

LD50 Dermal: Not available

LC50 Inhalation: Not available

Draize test, rabbit, eye: 100 mg moderate irritant

**Carcinogenicity:** Congo Red CAS#573-58-0 is not listed by NTP, ACGIH, or OSHA. Congo Red is listed by IARC (Group 1, Carcinogenic to Humans) and California Prop. 65 as a known carcinogen.

**Information on the likely routes of exposure:** Routes of entry anticipated: oral, dermal, inhalation, eye.

**Epidemiology:** Not available.

**Teratogenicity:** Teratogenic effects have occurred in experimental animals.

**Reproductive Effects:** Suspected of damaging the unborn child.

**Developmental Effects:** Not available.

**Neurotoxicity:** Not available.

**Mutagenicity:** Mutagenicity studies have been performed using microorganisms and laboratory animals.

**Specific Target Organ Toxicity, Single Exposure:** Not available.

**Specific Target Organ Toxicity, Repeated Exposure:** Not available.

**Symptoms associated with exposure:** tiredness, shortness of breath, convulsions/effect on seizure threshold, blood count changes. Toxic effect on lungs. Eye contact may result in eye pain or irritation, watering, redness. May harm the unborn child. May cause cancer. Acute dermal toxicity and acute inhalation toxicity are unknown for Congo Red.

**The toxicological properties of this material have not been thoroughly investigated.**

Section 12 - Ecological Information
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**Ecotoxicity:** Do not release to the environment. Do not release into drains.

**CAS# 573-58-0 Congo Red:**

LC50, water flea: 4 mg/L 48h static (daphnia magna)

**Persistence and degradability:** Not available.

**Bio-accumulative potential:** Not available.

**Mobility:** Will likely be mobile in the environment due to its water solubility.

Section 13 - Disposal Considerations
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**DISPOSAL:** Dispose of in accordance with all federal, state, and local regulations.

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 SDS contains all the information required by the CPR.

Section 16 - Additional Information

**SDS Creation Date:** 1/8/2010

**Revision #1.** 8/15/14 YM

**Revision #2.** 9-26-19

**Revision #3.** 9-26-22

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