

# Safety Data Sheet

## Congo Red, 0.05%

### Section 1 Product Description

**Product Name:** Congo Red, 0.05%  
**Recommended Use:** Science education applications  
**Synonyms:** N/A  
**Distributor:**  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

### Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**GHS Classification:**

**Other Safety Precautions:** Not a dangerous substance according to GHS classification criteria.  
No known OSHA hazards.

### Section 3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Water	7732-18-5	99.95
Congo Red, Sodium Salt	573-58-0	0.05

### Section 4 First Aid Measures

#### Emergency and First Aid Procedures

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Skin Contact:** After contact with skin, wash immediately with plenty of water.  
**Ingestion:** If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### Section 5 Firefighting Procedures

**Extinguishing Media:** Use media suitable to extinguish surrounding fire.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** N/A  
**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

### Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** No adverse health affects expected from the clean-up of spilled material.  
  
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

### Section 7 Handling and Storage

**Handling:** Keep container tightly closed in a cool, well-ventilated place.  
**Storage:** Keep container tightly closed in a cool, well-ventilated place.  
**Storage Code:** Green - general chemical storage

### Section 8 Protection Information

ACGIH

OSHA PEL

# Safety Data Sheet

<u>Chemical Name</u>	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
Congo Red, Sodium Salt	N/A	N/A	N/A	N/A

## Control Parameters

### Engineering Measures:

No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

### Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

### Respiratory Protection:

No respiratory protection required under normal conditions of use.

### Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

### Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

### Gloves:

No information available

## Section 9

## Physical Data

**Formula:** C<sub>32</sub>H<sub>24</sub>N<sub>6</sub>O<sub>6</sub>S<sub>2</sub> \* 2Na

**Molecular Weight:** N/A

**Appearance:** Red Liquid

**Odor:** None

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** 0 C

**Boiling Point:** 100 C

**Flash Point:** No data available

**Flammable Limits in Air:** N/A

**Vapor Pressure:** N/A

**Evaporation Rate (BuAc=1):** N/A

**Vapor Density (Air=1):** N/A

**Specific Gravity:** 1

**Solubility in Water:** Soluble

**Log Pow (calculated):** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** 10

**Percent Volatile by Volume:** N/A

## Section 10

## Reactivity Data

### Reactivity:

Not generally reactive under normal conditions.

### Chemical Stability:

Stable under normal conditions.

### Conditions to Avoid:

None known.

### Incompatible Materials:

Water-reactive materials

### Hazardous Polymerization:

Will not occur

## Section 11

## Toxicity Data

### Routes of Entry

N/A

### Symptoms (Acute):

N/A

### Delayed Effects:

No data available

### Acute Toxicity:

#### Chemical Name

#### CAS Number

#### Oral LD50

#### Dermal LD50

#### Inhalation LC50

Water

7732-18-5

Oral LD50 Rat

90000

Oral LD50 Rat

90000 mg/kg

Congo Red, Sodium Salt

573-58-0

Oral LD50 Rat

15200 mg/kg

### Carcinogenicity:

#### Chemical Name

#### CAS Number

#### IARC

#### NTP

#### OSHA

Congo Red, Sodium Salt

573-58-0

Listed

Listed

Not listed

### Chronic Effects:

#### Mutagenicity:

No evidence of a mutagenic effect.

# Safety Data Sheet

<b>Teratogenicity:</b>	No evidence of a teratogenic effect (birth defect).
<b>Sensitization:</b>	No evidence of a sensitization effect.
<b>Reproductive:</b>	No evidence of negative reproductive effects.
<b>Target Organ Effects:</b>	
<b>Acute:</b>	See Section 2
<b>Chronic:</b>	Not listed as a carcinogen by IARC, NTP or OSHA., Reproductive data cited., Mutation data cited.

## Section 12 Ecological Data

<b>Overview:</b>	This material is not expected to be harmful to the ecology.
<b>Mobility:</b>	No data
<b>Persistence:</b>	Biodegradation, Dissolved into water
<b>Bioaccumulation:</b>	No data
<b>Degradability:</b>	No data
<b>Other Adverse Effects:</b>	No data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Eco Toxicity</b>
Water	7732-18-5	No data available
Congo Red, Sodium Salt	573-58-0	

## Section 13 Disposal Information

<b>Disposal Methods:</b>	Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
<b>Waste Disposal Code(s):</b>	This material is not considered to be a RCRA hazardous waste.

## Section 14 Transport Information

<b>Ground - DOT Proper Shipping Name:</b>	<b>Air - IATA Proper Shipping Name:</b>
Not regulated for transport by DOT	Not regulated for air transport by IATA.

## Section 15 Regulatory Information

<b>TSCA Status:</b>	All components in this product are on the TSCA Inventory.					
<b>Chemical Name</b>	<b>CAS Number</b>	<b>§ 313 Name</b>	<b>§ 304 RQ</b>	<b>CERCLA RQ</b>	<b>§ 302 TPQ</b>	<b>CAA 112(2) TQ</b>
Congo Red, Sodium Salt	573-58-0	No	No	No	No	No

## Section 16 Additional Information

Revised: 09/03/2014      Replaces: 08/26/2014      Printed: 09-12-2014

### Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health