



**E K Industries, Inc.**  
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[www.eki-chem.com](http://www.eki-chem.com)

## MATERIAL SAFETY DATA SHEET

**PRODUCT** Congo Red Solution

**PRODUCT CODES** 3450-1

**REVISION DATE** 09/24/2009

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## SECTION 1

## PRODUCT IDENTIFICATION

<u>PRODUCT NAME</u>	Congo Red Solution
<u>PRODUCT CODES</u>	3450-1
<u>SYNONYMS</u>	Does not apply.
<u>CAS NUMBER</u>	Does not apply.
<u>FORMULA</u>	Does not apply
<u>FORMULA WEIGHT</u>	Does not apply.
<u>REVISION DATE</u>	09/24/2009

**24 HOUR EMERGENCY TELEPHONE**  
**CALL CHEMTREC (800) 424-9300**

Contact CHEMTREC (Chemical Transportation Emergency Center) only in the event of emergencies involving a chemical spill, leak, fire, exposure or other accident.

## SECTION 2

## HAZARDS IDENTIFICATION

## **EMERGENCY OVERVIEW**

MAY CAUSE IRRITATION. MAY CAUSE ALLERGIC REACTION. SUSPECT CANCER HAZARD. MAY CAUSE CANCER.

## **PRECAUTIONARY MEASURES**

Avoid contact with skin, eyes and clothing. Avoid breathing mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

## ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

**SKIN CONTACT** May cause irritation.

**EYE CONTACT** May cause irritation.

**IF INHALED** May cause respiratory tract irritation.

**IF SWALLOWED** May cause GI disturbances.

**CHRONIC** N/I

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE N/I

**TARGET ORGANS** N/I



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**CARCINOGENICITY** Congo Red is not listed by NTP, IARC or OSHA. However it is Benzidine derivative and is capable of being metabolized to Benzidine.

Benzidine: NTP-K Known to be a human carcinogen.  
IARC-1 Carcinogenic to humans.  
OSHA-Ca

### SECTION 3

### FIRST AID PROCEDURES

**SKIN CONTACT** Immediately wash with plenty of soap and water. Get medical attention for persistent irritation.

**EYE CONTACT** Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get medical attention for persistent irritation.

**IF INHALED** Remove to fresh air. Get medical attention for any breathing difficulty.

**IF SWALLOWED** DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink. Get immediate medical attention.

### SECTION 4

### FIRE FIGHTING MEASURES

**FLASH POINT (C)** Not Combustible

**EXPLOSIVE LIMITS (%)** **UPPER** Does not apply. **LOWER** Does not apply.

**AUTOIGNITION TEMPERATURE (C)** Does not apply.

**NFPA HAZARD IDENTIFICATION** Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: -

NFPA HAZARD IDENTIFICATION is *not* intended to address occupational exposure occurring under normal conditions of use. It only addresses hazards presented by Fire, Spill or Similar Emergencies. NFPA 704 2007 ed. 1.1 and 1.3.2(1).

**EXTINGUISHING MEDIA** Suitable for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES** Fire fighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** N/I

### SECTION 5

### ACCIDENTAL RELEASE MEASURES



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**IF SPILLED** Absorb spill with inert material, scoop up and containerize for disposal.

**WASTE DISPOSAL METHOD** Dispose in accordance with all local, state and federal environmental regulations.

### SECTION 6 EXPOSURE CONTROL AND STORAGE

**VENTILATION** Local or general.

**RESPIRATORY PROTECTION** If necessary, APPROVED mist respirator.

**EYE PROTECTION** Chemical splash safety goggles and/or chemical splash face shield.

**SKIN PROTECTION** Gloves, lab coat

**STORAGE** Store tightly closed at 15-30C, out of direct sunlight.

### SECTION 7 HAZARDOUS COMPONENTS AND EXPOSURE LIMITS

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV
Congo Red	573-58-0	N/E	N/E

### SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b>	Odorless red liquid	<b>BOILING POINT (C)</b>	N/E
<b>SOLUBILITY IN WATER</b>	Miscible	<b>EVAPORATION RATE</b>	N/E
<b>DENSITY / SPECIFIC GRAVITY</b>	N/E	<b>VAPOR PRESSURE (mm Hg)</b>	N/E
<b>MELTING POINT (C)</b>	N/E	<b>VAPOR DENSITY</b>	N/E



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### SECTION 9 STABILITY AND REACTIVITY

**STABILITY** Stable

**CONDITIONS TO AVOID** Excessive heat, direct sunlight

**MATERIALS TO AVOID** N/I

**HAZARDOUS DECOMPOSITION PRODUCTS** N/I

**HAZARDOUS POLYMERIZATION** Will not occur

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