

MSDS**Material Safety Data Sheet**

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Congo Red Powder**SECTION 1 PRODUCT IDENTIFICATION**

NAME: Congo Red, Powder
 EKI ORDER NUMBER: 3314
 SYNONYMS: Direct Red 28, Naphthalenesulfonic acid
 CAS NO: 573-58-0
 FORMULA: $C_{32}H_{22}N_6Na_2O_6S_2$
 REVISION DATE: 14 April 2004

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT	CAS NO	OSHA PEL	ACGIH TLV
Congo Red Powder	573-58-0	N/E	N/E

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Soluble in water. BOILING POINT: N/A
 VAPOR PRESSURE: N/A VAPOR DENSITY: N/A
 SPECIFIC GRAVITY: N/A MELTING POINT: N/A
 EVAPORATION RATE: N/A
 APPEARANCE AND ODOR: Brownish-red powder, no odor.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: N/A
 FLAMMABLE LIMITS (UPPER AND LOWER): N/A
 EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.
 SPECIAL FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION 5 REACTIVITY DATA

STABILITY: Stable under ordinary conditions of use and storage.
 CONDITIONS TO AVOID: N/A
 MATERIALS TO AVOID: Acids.
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, nitrogen oxides, sulfur oxides.
 HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion.

HEALTH HAZARDS (ACUTE AND CHRONIC): Animal reproductive effects cited. Mutation references cited. Meets criteria for proposed OSHA Medical Record Rule. Congo Red is a benzidine based dye. As such, it is expected to metabolize to benzidine, which is a known human carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information found.

CARCINOGENICITY: No information found.

****FIRST AID PROCEDURES****

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a Physician.

INGESTION: If swallowed, call a physician immediately.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Use appropriate protection to avoid inhalation exposure and skin and eye contact. Carefully sweep up spill and place in an appropriate container for proper disposal.

WASTE DISPOSAL METHOD: Ensure compliance with local, state and federal regulations.

OTHER PRECAUTIONS: N/A

SECTION 8 CONTROL MEASURES

VENTILATION: A local exhaust system that captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

RESPIRATORY PROTECTION: For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

EYE PROTECTION: Use chemical safety goggles. Contact lenses should not be worn when working with this material.

GLOVES: Wear protective gloves.

OTHER PROTECTIVE CLOTHING: Clean body-covering clothing.

WORK HYGIENE PRACTICES: N/A

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