

MATERIAL SAFETY DATA SHEET

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MSDS No. 9449301 9449403
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Congo Red	416-984-3000
Chemical Synonyms	N/A	 HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4
Formula	C ₃₂ H ₂₂ N ₆ Na ₂ O ₆ S ₂	
CAS No.	573-58-0	WHMIS Health 2 Flammability 0 Reactivity 0

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Congo Red	100%	N/A
WARNING!		

SECTION III PHYSICAL DATA

Melting Point (°C)	N/A	Specific Gravity (H ₂ O = 1)	N/A
Boiling Point (°C)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (= 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Soluble.		
Appearance & Odor	Red-brown crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG Not controlled under TDG.

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SECTION V REACTIVITY DATA CC0395

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	May react or be incompatible with oxidizing materials.
	No		

Hazardous Decomposition Products: These products are carbon oxides, nitrogen oxides, sulfur oxides.

Reactive under what conditions: No specific information is available.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion. Inhalation.
TLV	N/A
Toxicity for animals	Oral rat LD50: 15,200 mg/kg.
Chronic effects on humans	There are no known effects from chronic exposure to this product. Target organs: None known.
Acute effects on humans	Harmful if inhaled or swallowed.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep away from direct sunlight.
Precautions	Keep away from heat. DO NOT breathe dust. Do not ingest. If ingested, seek immediate medical attention.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses. Lab coat. Dust respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures
 Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No. 4 Date December 1, 2005 Approved Michael Raszeja