


MATERIAL SAFETY DATA SHEET

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Carmine (Alum Lake) Biological Stain	416-984-3000
Chemical Synonyms	Natural Red 4; C.I. 75470	NFPA 
Formula	C ₂₂ H ₂₀ O ₁₃ /Al/Ca lake	Health 1
CAS No.	1390-65-4	Flammability 0
		Reactivity 0
		HAZARD RATING
		LEAST SLIGHT MODERATE HIGH EXTREME
		0 1 2 3 4
		WHMIS

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Carmine (Alum lake)	100%	N/A
WARNING!		

SECTION III PHYSICAL DATA

Melting Point (°C)	120°C (darkens)	Specific Gravity (H ₂ O = 1)	> 1.0
Boiling Point (°C)	Decomposes on heating.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble.		
Appearance & Odor	Pink-red powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Not flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures					

Use dry chemical, CO₂, 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 a TDG controlled material.

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SECTION V REACTIVITY DATA

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Strong oxidizing agents.
	No		

Hazardous Decomposition Products These products are carbon oxides.

Reactive under what conditions Slightly reactive to reactive with oxidizing agents

SECTION VI TOXICOLOGICAL PRO

Route of Entry	Inhalation. Ingestion.
TLV	Not available.
Toxicity for animals	Not available.
Chronic effects on humans	There are no known effects from chronic exposure known.

Acute effects on humans Harmful if inhaled, swallowed or absorbed through skin and eyes.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local or regional authorities. Consult your local or regional authorities.
Storage	Keep container in a cool, well ventilated place. Keep away from incompatible materials.
Precautions	Avoid contact with skin and eyes. Do not breathe dust. If ingested, seek immediate medical attention.
Spill or leak	Use appropriate tools to put the spilled solid away. Wash spill area with soap and water.
Protective Clothing	Gloves, safety glasses, lab coat, dust respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center. Do not induce vomiting unless advised by the appropriate medical personnel. Immediately flush eyes with eyewash. Seek medical attention. Skin: Wash contaminated skin with running water and soap. If not breathing, give artificial respiration. Allow victim to rest in a well ventilated area.
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SECTION IX PREPARATION OF THE

Rev. No.	2	Date	November 15, 2002	Approved	
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