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**MATERIAL SAFETY DATA SHEET**  
 THIS DOCUMENT REPRESENTS A MODIFICATION OF A  
 U. S. DEPARTMENT OF LABOR  
 OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION  
 NON-MANDATORY FORM

**SECTION I - MANUFACTURER IDENTIFICATION**

**Manufacturer (Producer/Processor):** *IMCO* *Date: April 3, 2003*  
**Address:** *7268 Frasinetti Road*  
*Sacramento, CA. 95828*  
**Telephone:** *(916) 383-2811* *FAX: (916) 383-8741*  
**Product Name:** **RED GROG**

**SECTION II - HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION**

Component	Chemical Formula	Common Name	Threshold Limit Value Respirable Dust	%	CAS #
Crystalline Silica	SiO <sub>2</sub>	Quartz	ACGIH: 0.1 mg/m <sup>3</sup>	10 - 50	14808-60-7

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point (mm Hg):</b>	<i>N/A</i>	<b>Specific Gravity (1120 = 1):</b>	<b>2.5</b>
<b>Vapor Pressure</b>	<i>N/A</i>	<b>Melting Point:</b>	<i>N/A</i>
<b>Vapor Density (Air = 1)</b>	<i>N/A</i>	<b>Evaporation Rate: (Butyl Acetate=1)</b>	<i>N/A</i>
<b>Solubility in Water:</b>	<i>N/A</i>		
<b>Appearance and Color: Red Powder</b>			

**SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA**

**Flash Point:** *N/A* **Flammable Limits:** *Not Flammable*  
**Extinguish Media:** *N/A*  
**Special Fires Fighting Procedures:** *N/A*  
**Unusual Fire and Explosion Hazards:** *N/A*

## SECTION V - REACTIVITY DATA

<b>Stability:</b> <i>Stable</i>	<b>Conditions to Avoid:</b>	<i>Dusty</i>
<b>Incompatibility:</b>	<b>Material to Avoid:</b>	<i>None</i>
<b>Hazardous Decomposition or By products:</b>		<i>None</i>
<b>Hazard Polymerization:</b> <i>May not Occur</i>	<b>Conditions to Avoid:</b>	<i>None</i>

## SECTION VI - HEALTH HAZARD DATA

<b>Route(s) of Entry:</b>	<i>Inhalation</i>
<b>Health Hazards (Acute and Chronic):</b>	<i>Chronic overexposure to dust containing respirable-size crystalline silica can cause delayed lung injury (silicosis) and the inhalation of dust containing crystalline silica may contribute to pre-existing pulmonary diseases such as asthma and lung disorders associated with the smoking of tobacco.</i>
<b>Carcinogenicity:</b>	<i>IARC Monograph Volume 68, 1997 concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC classification: Group I. The State of California has determined crystalline silica to cause cancer.</i>
<b>Signs &amp; Symptoms Exposure:</b>	<i>Lung congestion, coughing and nose irritation.</i>
<b>Conditions Aggravated (Exposure):</b>	<i>See previous statement</i>
<b>Emergency &amp; First Aid:</b>	<i>Avoid respiration of dust; flush eyes with water and seek medical help; move to fresh air.</i>

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Material released or spilled:</b>	<i>Sweep up spill after wetting to avoid dust generation.</i>
<b>Waste disposal Method:</b>	<i>Return material to the natural environment.</i>
<b>Precaution in Handling &amp; Storing:</b>	<i>Avoid creation of dust; use ventilation and exhaust equipment as required to abate dust in the work place. In its wet state this clay has no known adverse health effect. Avoid dusty conditions.</i>

## SECTION VIII - CONTROL MEASURES

<b>Respiratory Protection:</b>	<i>NIOSH approved dust mask.</i>
<b>Ventilation:</b>	<i>Combined of natural ventilation and mechanical equipment depending upon use.</i>
<b>Protection Gloves:</b>	<i>Not required</i>
<b>Eye Protection:</b>	<i>Recommended</i>
<b>Other Protective Clothing or Equipment:</b>	<i>None required</i>
<b>Work/Hygienic Practices:</b>	<i>Brush clothing in natural ventilation; replace dust mask regularly</i>