

Material Safety Data Sheet

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24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	P3785		Health: 4		
Product Name:	Potassium Dichromate Reagent A.C.S., Crystal		Flammability: 0		
Trade/Chemical Synonyms			Reactivity: 3		
Formula:	K ₂ Cr ₂ O ₇		Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4		
RTECS:	HX7680000		NA = Not Applicable NE = Not Established		
C.A.S	CAS# 7778-50-9				
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Potassium Dichromate	CAS# 7778-50-9	100%	W/W	OSHA Ceiling 0.1 mg(CrO ⁶⁺)/mf
Section 3 Hazard Identification (Also see section 11)					
Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.					
Section 4 First Aid Measures					
Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.					
FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.					
Section 5 Fire Fighting Measures					
Fire Extinguisher Type:	Water spray, Carbon dioxide, dry chemical				
Fire/Explosion Hazards:	Negligible fire hazard when exposed to heat or flame				
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
Section 6 Accidental Release Measures					
Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition. Take up with sand, earth or other absorbent material. Place in clean dry container and cover for later disposal					
Section 7 Handling and Storage					
Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Store away from incompatible materials					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: NIOSH/MSHA-approved respirator					
Mechanical:		Hand Wear appropriate gloves to Protection: prevent skin exposure			
Ventilation:		Eye Protection: Splash Goggles			
Local Exhaust:					
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point:	398° C	Specific Gravity	2.68		
Boiling Point:	500° C	Percent Volatile by Volume:	N/A		
Vapor Pressure:	not available	Evaporation Rate:	N/A		
Vapor Density:	not available	Evaporation Standard:			
Solubility in Water:	Soluble	Auto ignition Temperature:	Not applicable		
Appearance and Odor:	Bright orange-red crystals, odorless	Lower Flamm. Limit in Air:	Not applicable		
Flash Point:	N/A	Upper Flamm. Limit in Air:	Not applicable		
Section 10 Stability and Reactivity Information					
Stability: Stable Conditions to Avoid: Avoid contact with incompatible materials.					
Materials to Avoid: Strong oxidizing agents, metals, acids.					
Hazardous Decomposition Products: Toxic fumes					
Hazardous Polymerization: Will Not Occur					
Condition to Avoid: None known					
Section 11 Additional Information					
Inhalation may cause nasal irritation, lung irritation, coughing, chest pain, ulceration and perforation of the nasal septum. Contact with skin may cause painless, penetrating, slow healing lesions and dermatitis. Contact with eyes may cause pain, irritation, redness and blurred vision. Ingestion may cause violent gastroenteritis, diarrhea, fever, liver damage, hemorrhagic diathesis, vertigo, muscle cramps, coma and renal failure. Conditions aggravated/target organs: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible					
DOT Classification: Oxidizing Solid, n.o.s. (Potassium Dichromate), 5.1, UN1479, PG III					
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
Revision No:0		Date Entered: 9/1/2005		Approved by: WPF	

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