

MATERIAL SAFETY DATA SHEET

REACTIVITY	STABLE	YES	CONDITIONS TO AVOID heat			PRODUCT NUMBER Orion 151611
	UNSTABLE					
	<small>INCOMPATIBILITY — MATERIALS TO AVOID</small> Strong oxidizers (chromic acid, sodium peroxide, nitric acid, etc). Strong caustics.					
<small>HAZARDOUS DECOMPOSITION PRODUCTS</small> Toxic gases such as carbon monoxide may be released.						
<small>CONDITIONS OF REACTIVITY</small>						
HEALTH HAZARD DATA	HAZARDOUS ROUTES OF ENTRY	INHALATION YES	INGESTION YES	EYE CONTACT YES	SKIN CONTACT YES	SKIN ABSORPTION YES
	<small>EFFECTS OF EXPOSURE (ACUTE)</small> Burns of skin or eyes. Vapours are irritating to eyes, nose, throat, lungs.					
	Swallowing may cause severe injury or death.					
	<small>EFFECTS OF EXPOSURE (CHRONIC)</small> Darkened skin, erosion of teeth, irritation as for acute exposure.					
	Potassium dichromate is highly toxic.					
	<small>EXPOSURE LIMITS</small>					
	<small>SENSITIZATION TO PRODUCT</small> Persons with breathing difficulty or sensitive skin may be affected.					
	<small>CARCINOGENICITY</small>					
	<small>OTHER TOXICOLOGICAL EFFECTS</small> Signs and symptoms of exposure: coughing, tearing, red irritated skin or eyes. Burns on skin.					
	Mutagenicity: otr-ham: K_d 25 mg/L					
<small>EMERGENCY AND FIRST AID PROCEDURES</small> Seek medical attention for all serious forms of exposure.						
Eyes and Skin: immediately flush with a stream of running water for a minimum of 15 minutes, occasionally lifting eye lid. Wash skin with soap and water.						
Inhalation: Remove victim to fresh air. Give artificial respiration if necessary.						
Ingestion: Get immediate medical attention. Give large amount of water or milk. Do not induce vomiting.						
<small>RESPIRATORY PROTECTION</small>						
PREVENTIVE MEASURES	VENTILATION	<small>LOCAL EXHAUST</small> to control exposure limits			SPECIAL	
		<small>MECHANICAL (GENERAL)</small> Yes, when transferring.			OTHER	
	<small>HAND PROTECTION</small> impervious gloves			<small>EYE PROTECTION</small> chemical goggles		
	<small>PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL</small> Remove all ignition sources, wear protective clothing and ventilate area. Neutralize spill with soda ash. Collect sludge and set aside for waste disposal.					
	<small>WASTE DISPOSAL METHOD</small> Neutralize and dispose of in accordance with local, provincial, and federal laws.					
	<small>HANDLING PROCEDURES AND EQUIPMENT</small>					
	Use only in a well-ventilated area. Safety shower and eye batch located close to working area.					
	Do not breathe fumes when adding diffusion tubes to bottle.					
	<small>STORAGE REQUIREMENTS</small> Keep from freezing. Keep away from heat, strong oxidizers and caustic material.					
	<small>SPECIAL SHIPPING INFORMATION</small>					
PREPARATION	<small>PREPARED BY</small> Peter Bakker		<small>APPROVED BY</small> Peter Bakker			
	<small>TITLE</small> Chemistry Manager		<small>TITLE</small> Chemistry Manager		<small>TELEPHONE</small> (519) 941-8161	
			<small>DATE</small> <i>Peter Bakker</i>		<small>DATE</small> November 5, 2009	
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