



# MATERIAL SAFETY DATA SHEET

<b>REACTIVITY</b>	STABLE	YES	CONDITIONS TO AVOID heat			PRODUCT NUMBER Orion 181030
	UNSTABLE					
	INCOMPATIBILITY — MATERIALS TO AVOID <b>Strong oxidizers (chromic acid, sodium peroxide, nitric acid, etc). Strong caustics.</b>					
	HAZARDOUS DECOMPOSITION PRODUCTS <b>Toxic gases such as carbon monoxide may be released.</b>					
CONDITIONS OF REACTIVITY						
<b>HEALTH HAZARD DATA</b>	HAZARDOUS ROUTES OF ENTRY	INHALATION YES	INGESTION YES	EYE CONTACT YES	SKIN CONTACT YES	SKIN ABSORPTION YES
	EFFECTS OF EXPOSURE (ACUTE) <b>Inhalation: irritation of eyes, nose and throat, coughing, choking and difficulty breathing. Severe overexposure results in pulmonary edema. Skin and eyes: can cause severe</b>					
	EFFECTS OF EXPOSURE (CHRONIC) <b>burns, pain and brownish or yellowish stains. Ingestion: May cause severe burning and pain in the mouth, throat, and abdomen. Vomiting, diarrhea and perforation of the esophagus, stomach.</b>					
	EXPOSURE LIMITS					
	SENSITIZATION TO PRODUCT					
	CARCINOGENICITY <b>Not listed as a carcinogen by NTP</b>					
	OTHER TOXICOLOGICAL EFFECTS <b>No information available.</b>					
	EMERGENCY AND FIRST AID PROCEDURES <b>Seek medical attention for all serious forms of exposure.</b>					
	<b>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.</b>					
	<b>Inhalation: Remove victim to fresh air. Give artificial respiration if necessary.</b>					
<b>Ingestion: Get immediate medical attention. Give large amount of water or milk. Do not induce vomiting.</b>						
<b>PREVENTIVE MEASURES</b>	RESPIRATORY PROTECTION					
	VENTILATION	LOCAL EXHAUST to control exposure limits			SPECIAL	
		MECHANICAL (GENERAL) Yes, when transferring.			OTHER	
	HAND PROTECTION impervious gloves			EYE PROTECTION chemical goggles		
	PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL <b>Apply inert sorbent. Collect product and neutralize. Collect neutralization sludge for disposal.</b>					
	<b>Eliminate all ignition sources.</b>					
	WASTE DISPOSAL METHOD <b>Neutralize and dispose of in accordance with local, provincial, and federal laws.</b>					
	HANDLING PROCEDURES AND EQUIPMENT <b>Use only in a well-ventilated area. Safety shower and eye batch located close to working area.</b>					
	<b>Do not breathe fumes when adding diffusion tubes to bottle.</b>					
	STORAGE REQUIREMENTS <b>Store in a cool, well ventilated area. Keep from freezing. Keep away from heat, sparks, flame.</b>					
<b>PREPARATION</b>	PREPARED BY <b>Peter Bakker</b>		APPROVED BY <b>Peter Bakker</b>			
	TITLE <b>Chemistry Manager</b>		TITLE <b>Chemistry Manager</b>		TELEPHONE <b>(519) 941-8161</b>	
			<i>Peter Bakker</i>		DATE <b>November 5, 2009</b>	
	SPECIAL SHIPPING INFORMATION					
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