

RiverWatch/CreekWatch Test Kit MSDS Overview

http://app.hach.com/msdsweb/customer_msds_request.asp

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Material Safety Data Sheets (MSDS) support the Workplace Hazardous Materials Information System (WHMIS 2015, GHS Globally Harmonized System). Each chemical product is supported with MSDS files comprising up to 16 pages. The chart below summarizes but does not replace complete MSDS information. All RiverWatch employees and CreekWatch participants should be made aware of this quick reference during their training and orientation. This chart should be available in all RiverWatch or CreekWatch labs/bus/guide bag/first-aid kits and posted in field offices.

N.B. RiverWatch/CreekWatch participants using chemical products must a.) wear safety glasses; b.) work upwind; and c.) look downwind.

Test Kit	Composition	Hazards Identification	First Aid Measures
Dissolved Oxygen Hach Product 146900 Model OX-2P Range 1-20 mg/L	DO 1 Foil Pouch Product Code 98199 Manganous (II) Sulfate $MnSO_4$ (100%)	<ul style="list-style-type: none"> • Serious eye damage/eye irritation Category 1 • Acute toxicity - Oral Category 5 	<ul style="list-style-type: none"> • Symptoms Burning sensation • IF IN EYES: Rinse cautiously with water for several minutes. Flush eyes for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • For minor skin contact, avoid spreading material on unaffected skin. Rinse skin with water. Wash contaminated clothing before reuse. • Ingestion. Clean mouth with water and drink afterwards plenty of water. • Call a POISON CENTER or see a doctor if you feel unwell
	DO 2 Foil Pouch Product Code 98299 Potassium Iodide KI (30-50%) Lithium Hydroxide (50-100%) Sodium Azide (1-5%)	<ul style="list-style-type: none"> • Serious eye damage/eye irritation Category 1 • Skin corrosion/irritation Category 1A • Acute toxicity - Oral Category 3 • Acute toxicity - Dermal Category 3 • Acute toxicity - Inhalation (Dusts/Mists) Category 3 	
	DO 3 Powder Pillow Product Code 98799 Sulfamic Acid H_3NO_3S (>99%) Magnesium sulfate $MgSO_4$ (0.1 - 1%)	<ul style="list-style-type: none"> • Skin corrosion/irritation Category 2 • Serious eye damage/eye irritation Category 2A • Acute toxicity - Oral Category 4 	
	Brown Dropper Bottle Product Code 240893 Sodium Thiosulphate (1-5%) 1,2-Propanediol (20-30%)	Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)	<ul style="list-style-type: none"> • General advice No hazards which require special first aid measures. Use first aid treatment according to the nature of the injury.

Test Kit	Composition	Hazards Identification	First Aid Measures
<p>Phosphorus, Orthophosphate Hach Product 224800 Model PO-19 Range 0-1 mg/L</p>	<p>PhosVer 3 Foil Pouch Product Code 220999 Potassium Pyrosulfate (70-80%) Sodium Molybdate (1-5%)</p>	<ul style="list-style-type: none"> • Serious eye damage/eye irritation Category 1 • Skin corrosion/irritation Category 1A 	<ul style="list-style-type: none"> • Symptoms Burning sensation • Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. • Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention. • Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention. • Inhalation Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.
<p>pH Hach Product #147001 Model 17N Wide Range 4-10 pH</p>	<p>Dropper Bottle Product Code 21149 Phenol Red Indicator 1,2-Propanediol (40-50%)</p>	<p>Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)</p>	<ul style="list-style-type: none"> • General advice No hazards which require special first aid measures. Use first aid treatment according to the nature of the injury. • Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. • Skin contact Wash skin with soap and water. • Ingestion Clean mouth with water and drink afterwards plenty of water.

Test Kit	Composition	Hazards Identification	First Aid Measures
Ammonia Nitrogen Test Strips Hach Product #2755325 Range 0-6.0 mg/L		No MSDS	