

Appendix 6: CHEMICAL SAFETY INFORMATION

General Precautions for Using the LaMotte® Dissolved Oxygen Test Kit

1. Read all instructions to familiarize yourself with the test procedures before you begin.
2. Read the label on each LaMotte® reagent container prior to use. Some containers include precautionary notices and first-aid information.
3. Keep all equipment and reagent chemicals out of the reach of children!
4. In the event of an accident or suspected poisoning, immediately call the Poison Center phone number located in the front of your local telephone directory or call your physician. Be prepared to give the name of the reagent in question and its LaMotte® code number. All LaMotte® reagents are registered with POISINDEX®, a computerized poison control information system available to all local poison control centers.

To protect yourself and your equipment, use proper analytical techniques:

1. Avoid contact between reagent chemicals and your skin, eyes, nose, and mouth.
2. Always wear safety goggles or glasses when handling the reagent chemicals.
3. Use the bottle caps, not your fingers, to cover bottles during shaking or mixing.
4. When dispensing a reagent from a plastic squeeze bottle, always hold the bottle vertically upside-down (i.e. not at an angle) and gently squeeze it. If a gentle squeeze does not produce the reagent then the dispensing cap or plug may be clogged.
5. Immediately wipe up any reagent chemical spills, liquid or powder. Rinse the area with a wet sponge and then dry it.
6. Tightly close all reagent containers immediately after use. Do not interchange caps from different reagent containers.

Appendix 6: continued

Chemical Safety Procedures

Manganous Sulfate Solution- POISINDEX® Code #4167

Health Hazard Data: May irritate skin and eyes.

Eye Contact: Immediately flush eyes with water for at least 15 minutes.
Consult a physician.

Skin Contact: Flush with water, remove affected clothing and flush and flush skin for 15 minutes.

Ingestion: Induce vomiting immediately, consult a physician.

Spills and Cleanup: Mop up carefully and flush down drain with excess water.

Alkaline Potassium Iodide Azide- POISINDEX® Code #7166

Health Hazard Data: Severe burns, may be fatal if swallowed.

Eye Contact: Immediately flush eyes with water for at least 15 minutes.
Consult a physician.

Skin Contact: Immediately flush with water, remove affected clothing and flush skin for 15 minutes. Consult a physician.

Ingestion: Do not induce vomiting! Rinse mouth, drink a glass of water, and consult a physician.

Spills and Cleanup: Neutralize with 6-MHCL, if available, and flush down drain with excess water.

Sulfuric Acid- POISINDEX® Code #6141

Health Hazard Data: Severe burns, may be fatal if swallowed

Eye Contact: Immediately flush eyes with water for at least 15 minutes.
Consult a physician.

Skin Contact: Immediately flush with water for 15 minutes. Consult a physician.

Ingestion: Do not induce vomiting! Rinse mouth, drink a glass of water, and consult a physician

Spills and Cleanup: Cover with sodium bicarbonate (baking soda) or soda ash-calcium hydroxide mixture. Scoop up and wash down drain with excess water.

Sodium Thiosulfate- POISINDEX® Code #4169

Health Hazard Data: Large doses orally can cause purging. Human toxicity is low.

Eye Contact: Immediately flush eyes with water.

Skin Contact: Flush thoroughly with water.

Ingestion: Drink water and consult a physician.

Spills and Cleanup: Mop up and wash down the drain.

Starch Indicator Solution- POISINDEX® Code #4170

Eye Contact: Immediately flush eyes with water.

Skin Contact: Flush thoroughly with water.

Ingestion: Drink water and consult a physician.

Spills and Cleanup: Mop up and wash down the drain with excess water.