Overview

- Pressurized Equipment
- Chemical Safety
- Chemical Storage
- Health Effects
Pressurized Equipment Dangers

- All equipment after the pump operates under pressure.
- Wear PPE as recommended
- Bonding Wire on a pump motor
- What should I do before adjusting any equipment?
Routine Maintenance With Pressured Equipment
Commonly Used Pool Chemicals
Chemical Storage Room

- Read and understand the product label for each pool chemical used
- Restrict access to equipment and chemical storage rooms/areas
- Ventilation needed
- Rooms and areas shall be out of direct sunlight, dry and cool
- Sized sufficiently to store all needed pool chemicals
Chemical Storage

- Available and easily accessible PPE
- Don’t store chemicals on floor
- No storing liquid chemicals above dry chemicals
- Use a different scoop, bucket, & dispensing equipment for each pool chemical
- Don’t eat or drink in the equipment/chemical storage room(s)
Safety Tips When Handling Chemicals

• Remove swimmers from the pool/spa before adding any chemicals
• Follow the product label for each pool chemical used
• Wear PPE as recommended by chemical manufacturer
• Make sure you have the current measuring utensil
• Use a different scoop, bucket, & dispensing equipment for each pool chemical
• Wind direction – avoid breathing dust or fume

*DO NOT ADD WATER TO DRY POOL CHEMICALS*
Potential Health Effects of Pool Chemicals

1. Chlorine (skin contact, inhalation, ingestion)
   - Gas vs Liquid exposure
   - Blurred vision
   - Chest tightness
   - Coughing
   - Difficulty breathing or shortness of breath

2. Acid (inhalation of vapors)
   - Acute – burns, pulmonary edema, coughing, irritation of the respiratory tract
   - Long term skin contact: pain, burns, skin irritation

3. Soda Ash
   - Irritation of the eyes, throat and nose mucous membranes.
   - Mild irritation of the skin
Questions?
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