



# TECH PORT 2.0

UAS BUSINESS INCUBATOR

## *Removal of Plastic Lined (Swirl) Labels*

### Materials needed:

- Walmart Kiddy Pool (59inch model)
- Muriatic Acid\*
- 5 Gallon Bucket
- Baking Soda 1 TBS
- Pure Gum Spirits Turpentine
- Rubbing Alcohol
- Water

### Safety Supplies:

- Latex Gloves
- Safety goggles/glasses
- Apron

### Setting up the Pool:

1. Put the 59inch pool in a well-ventilated area for this entire process.
2. Fill the pool with 15 gallons of water. (IMPORTANT: Make sure to put the water in the pool then the acid, NOT the other way around)
3. After putting the water in the pool measure out 1.7 gallons of muriatic acid and pour it slowly into the pool. (Wear goggles and gloves) Target PH is 2.0. (9:1 water acid ratio)
4. After bottles have been taken out of pool, pour baking soda in the pool to neutralize the acid.

### Steps After Pool is Set-Up:

1. Place bottles upright in Acid mixture (about 250 bottles per pool) and let sit for 48 Hours.
2. After the bottles have sat for 48 hours remove them from the pool (wear gloves and goggles), use a screwdriver or similar item to lift corner of the label and peel the label off.
3. After label is removed dunk the bottle in a bucket with about 5 gallons of water and 1TBS of baking soda to neutralize the acid.
4. If there is left over residue on the bottle wipe it down with a rag and turpentine. After using turpentine wipe the bottle down with rubbing alcohol.

\*[Safety Link For muriatic acid](#)