

# VaporPin®

## Standard Operating Procedure

### Homemade Play Dough for Mechanical Means Leak Testing

#### Scope & Purpose

##### Scope

This standard operating procedure describes the making of Homemade Play Dough for mechanical means leak testing.

##### Purpose

The purpose of this procedure is to provide VOC-free play dough to assure good quality control in field operations and uniformity between field personnel while performing the mechanical means leak test.

#### Equipment Needed

- ½ cup cornstarch
- 1 cup baking soda
- ¾ cup water
- Parchment paper
- Pan
- Stove

#### Assembly

1. In a saucepan with NO heat, add the cornstarch, baking soda, water and stir.
2. Place your saucepan on the stove top and turn your heat to medium.
3. Continue stirring the mix constantly.
4. It will start to bubble slightly and that's when it happens fast, it will begin to turn solid.
5. Once a ball starts to form (4-5 minutes) take pan off the heat.
6. Place dough onto a piece of parchment paper or a silicone mat.
7. Let cool, it will be VERY hot.
8. To speed the cooling process, flip it over and knead it a bit as it's cooling down. *Be careful, it's HOT.*
9. Once dough is cool, you will be able to form Play Dough (Figure 1)

Figure 1. Play Dough

