

# SULFURIC ACID SPILL

April 21, 2016

10:00 AM

St Johns County Fire Rescue

Flagler County Fire Rescue







East  
Wind



# Sulfuric Acid

- ▣ UN 2796
  - 330 Gallons spilled
  - 50% Concentration
  - Hazard Class 8
    - ▣ Corrosive
  - Can react with water



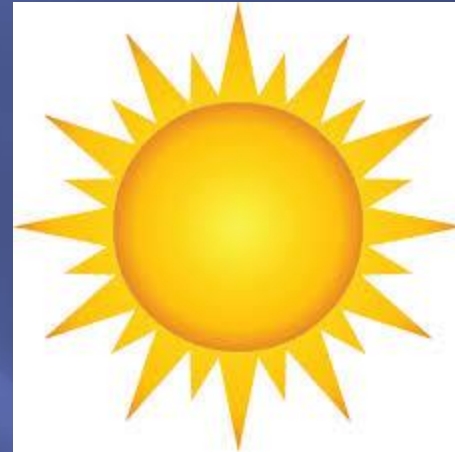
# Sulfuric Acid

- ▣ NFPA Diamond
  - Health (3)
  - Flammability (0)
  - Reactivity (2)
    - ▣ Reacts with H<sub>2</sub>O



# Weather

- ▣ 81° F
- ▣ Humidity 54%
- ▣ East wind at 12 MPH



# Response

- ▣ SJCFR (HM3D) was requested for a mutual aid response with FCFR.
- ▣ FFCR First arriving Engine Company
  - Isolated
    - ▣ Shelter in place
  - Controlled movement
  - Identified

# SJCFR Arrival

- ▣ Size up with FCFR
  - Approximate 100' x 15' puddle
    - ▣ 3" Deep
- ▣ Research
  - PEAC Software
  - ERG
  - NIOSH



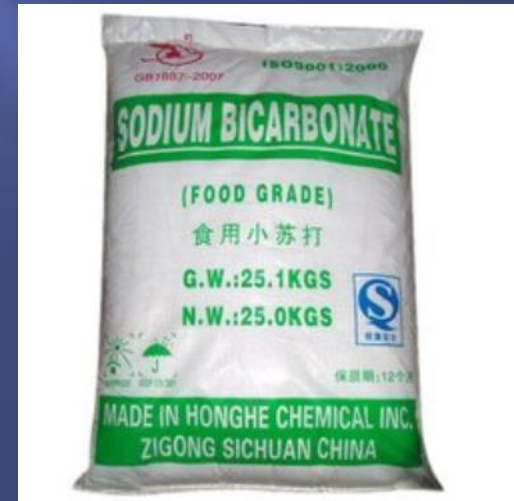
# Mitigate

- ▣ Entry
  - Level B
  - RIT
  - Two Stage Decon line
  - Rehab



# Mitigate

- ▣ Tote was up-righted to prevent further leaking
  - Neutralize Chemical
    - ▣ 50+ bags of Sodium Bicarbonate
    - ▣ Chemical was tested utilizing PH paper to bring to a Neutral state
    - ▣ DEP arrived on scene
    - ▣ Spill was contracted through RP for clean up



# SJCFR Cost Recovery

- ▣ Saint Gobain ONE Suit Shield
  - 750.00 Each
  - $750.00 \times 2 = 1500.00$
  - Billed to RP











