MATERIAL SAFETY DATA SHEET

APF SUPER BASE NEUTRALIZER

SECTION I
Product Identification and General Information

Product Name: Super Base Neutralizer
Product Class: Potassium Hydroxide Solution - 30%
H M I S CODES H F R P
3 0 2 H

Date Prepared: 11/10/2009
24 Hour Emergency Assistance: Chemtrec
1-800-424-9300

SECTION II

Hazardous Ingredients	CAS#	Current Limits
Potassium Hydroxide	1310-58-3	PEL: 2 mg/M3, TLV: 2 mg/M3

SECTION III
Physical Data

Boiling Point: 212 °F
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity: 1.18
Percent Volatiles: 70%

Solubility in Water: Complete
Evaporation Rate: N/A
Appearance: Clear liquid
Odor: Mild

SECTION IV
Fire and Explosion Hazard Data

Flash Point: Non-Flammable
Flammable Limits:
LEL: N/A
UEL: N/A
Extinguishing media: Non-flammable. Water spray to keep fire exposed containers cool.
Hazardous Combustion Products: N/A
Special fire fighting procedures: Wear full protective equipment including NIOSH approved self-contained breathing apparatus. Use water to cool containers, but avoid getting water into containers. Direct contact with water can cause a violent exothermic reaction.
Fire and explosion hazards: None

SECTION V
Reactivity Data

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Reacts with air, water, metals, and acids.

Comments:
Product is corrosive to tin, aluminum, zinc, and alloys containing these metals. Avoid contact with leather, wool, acids, organic halogen compounds, or organic nitro compounds. Hazardous carbon monoxide gas can form upon contact with reducing sugars, food and beverage products in enclosed spaces and can cause death.

SECTION VI

Health Hazard Data

Emergency Overview

May cause burns to the eyes, skin and mucous membranes. May cause permanent eye damage. Inhalation of dust, mist or spray can cause severe lung damage. Can react violently with water, acids and other substances.

Primary Route of Entry: Dermal, Inhalation, Ingestion
Eye Contact: Can cause severe damage including burns and blindness. The severity of the effects depend on concentration and how soon after exposure the eyes are washed.
Skin Contact: Extremely corrosive to the skin. Contact may cause burns and tissue destruction. Note that irritation may follow a period of latency. The latent period can vary as much as hours for a dilute solution (0.04%) to minutes for a more concentrated solution (25- 50%). Prolonged or repeated contact can cause a high degree of tissue destruction.
Inhalation: Exposure to vapor mist or liquid can produce burns of the respiratory tract. Severe exposure could result in chemical pneumonia.
Ingestion: Corrosive. Severe burns and complete tissue destruction of the mucous membranes of the mouth, throat and stomach.

SECTION VII

Emergency First Aid Procedures
Eye Contact: Immediately flush eyes with a directed stream of water for at least 15 min. while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes within several seconds is essential to maximum effectiveness. Seek medical attention immediately.
Skin Contact: Flush thoroughly with cool water under a shower. Immediately remove contaminated clothing. Discard non-rubber shoes. Use soap if available. Do not reuse clothing until thoroughly cleaned. Seek medical attention.
Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek medical attention.
Ingestion: Do not induce vomiting. Give large quantities of water. (If available, give large quantities of milk). If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquid into the lungs, give more water. Seek medical attention.

SECTION VIII

Special Protection Information
Respiratory Protection: Use respiratory protection when exposed to mist or spray. Use with adequate ventilation.
Eye Protection: Chemical splash goggles or other approved safety glasses with side shields.
Skin Protection: Wear chemical resistant gloves and other clothing as required to minimize contact. Wash thoroughly after handling. Exposure can cause burns which are not immediately painful or visible.

SECTION IX

Spill or Leak Procedures
Steps to be taken if material is released or spilled:
Leaks should be stopped immediately.
Scoop sweep or vacuum up all spilled product and other contaminated material and place in marked disposal containers.
Neutralize the residue with a dilute acid solution and flush spill area with water followed by a liberal covering of Sodium Carbonate.
Dispose of wash water and spill byproducts according to all local, state and federal regulations.

SECTION X

D.O.T. Shipping Name: Potassium Hydroxide Solution
D.O.T. Hazard Class: 8 Corrosive liquid
UN/NA Number: UN1814
D.O.T. Packing Group: II
Reportable Quantity: 1000 Lbs.
D.O.T. Labels Required: Corrosive
Freight Class: 55