

MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

Product SKU Number:..... 254
Manufacturer's Name:..... KIK Pool Additives Inc.
Emergency Telephone No.:..... (909) 390-9912
..... (800) 424-9300 (CHEMTREC)
Street Address:..... 5160 E. Airport Drive
City/State/Zip code:..... Ontario, CA 91761
Chemical Name and Synonyms:.... Sulfuric Acid
Trade Name and Synonyms:..... **Kem Tek Pool & Spa Care Spa pH Minus**
Chemical Family:..... Sulfuric Acid
Formula:..... H₂SO₄ CAS # 07664-93-9

NFPA Rating: Health:2 Flammability:0 Reactivity:0 Special:

DOT Proper Shipping Name:..... N/A
DOT ID Number:..... N/A
DOT Hazard Class:..... N/A
Package Group:..... N/A

SECTION II - HAZARDOUS INGREDIENTS

Sulfuric Acid..... 10%

SECTION III - PHYSICAL DATA

FREEZING POINT..... 10.35° C	DECOMPOSITION TEMPERATURE. 340° C
BOILING POINT N/A	BULK DENSITY (loose)..... N/A
SPECIFIC GRAVITY (H ₂ O)=1)..... 1.07	pH (in 1% solution)..... N/A
pH >0	SOLUBILITY IN WATER..... 100%
VAPOR PRESSURE (cm Hg.) 10 @ 18°F	VAPOR DENSITY (Air = 1)..... +1
PERCENT VOLATILE Non-Volatile	MOLECULAR WEIGHT..... 98.08
EVAPORATION RATE (____=1)..... -1	ODOR Mild
APPEARANCE .. Pinkish Clear Liquid	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... NON-FLAMMABLE
FLAMMABLE LIMITS..... N/A
EXTINGUISHING MEDIA..... N/A

SPECIAL FIRE FIGHTING PROCEDURES:

H₂SO₄ or SO₄ gas could be released at high temperatures.
Use respirator approved by NIOSH.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Sulfuric acid reacts with many common metals to produce hydrogen gas, which can be a fire and explosive hazard. NOTE: Sulfuric Acid is an electrolyte.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:..... 1 mg per cubic meter

EFFECTS OF OVEREXPOSURE:

Causes severe burns. Repeated contact may cause skin and eye irritation. Inhalation of mist from hot acid can be injurious to lungs.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Wash with water for 20 minutes and get medical attention promptly. **INGESTION:** Do not induce vomiting; give large amounts of water. Follow with milk of magnesia, beaten eggs,

or vegetable oil. Call physician immediately. **INHALATION:** remove to fresh air if effects occur. **SKIN:** Flush with water for 20 minutes. Call a physician.

SECTION VI - REACTIVITY DATA

STABILITY: This Product is stable

CONDITIONS TO AVOID: Contact with organic substances & metals.

INCOMPATIBILITY: (Materials to avoid)

Contact with combustible materials, nitrates, carbides, chlorates, metallic, etc. Keep away from other chlorine products. Contact with such chemicals may release a deadly gas.

HAZARDOUS DECOMPOSITION PRODUCTS:

Sulfuric trioxide gas.

HAZARDOUS POLYMERIZATION:..... WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF MATERIAL RELEASED OR SPILLED:

Flush with plenty of water and neutralize acid with soda ash, lime or bicarbonate of soda. NOTE: neutralization will release CO₂ gas requiring adequate ventilation.

WASTE DISPOSAL METHOD:

Neutralize acid with alkali and flush to sewer with plenty water if permitted by local & state regulations or have hauled away by licensed hazardous waste disposal contractor.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type)

Respirator approved by NIOSH (National Institute for Occupational Safety & Health).

VENTILATION:

LOCAL EXHAUST: As required for removing any mists of toxic gases.

PROTECTIVE GLOVES: Rubber or Neoprene gloves w/gauntlets.

EYE PROTECTION: Safety goggles or full face shield.

OTHER PROTECTIVE EQUIPMENT:

Rubber aprons, rubber safety shoes & other protective clothing as necessary.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in cool; dry place protected from severe weather.

Avoid all handling & storage procedures that may result in spills, leaks or punctures. Only handle and or store in areas with unlimited water supply.

OTHER PRECAUTIONS: Avoid contact with skin, eyes, or clothing. Wear all recommended protective equipment when handling.

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Revised/Revised: 09-03-2012 By: Dana Wm. Somesla, Chemist

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