MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

EPA REG. Number..... 7616-76
Product SKU Number:..... 302
Manufacturer's Name:..... KIK Pool Additives Inc.
Emergency Telephone No:..... (909) 390-9912 or (800)424-9300(CHEMTREC)
Street Address:..... 5160 E. Airport Drive
City/State/Zip code:..... Ontario, CA 91761
Chemical Name and Synonyms:... Trichloro-s-triazinetrione Mixture
Trade Name and Synonyms:..... **KEM-TEK POOL & SPA CARE BLACK ALGAE TREATMENT**
Chemical Family:..... Chloroisocyanurates
CAS#:..... 00087-90-1
Formula:..... $N_3O_3C_3Cl_3$
International Fire Code (IFC) Rating: Class 1 Oxidizer/Class 3 Commodity
NFPA Rating: Health:3 Flammability:0 Reactivity:2 Special:(ox)
Per UN testing, Not a 5.1(oxidizer) or 4.1(combustible solid) for ground transportation

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

SECTION II - HAZARDOUS INGREDIENTS

Trichloro-s-triazinetrione..... 95%

SECTION III - PHYSICAL DATA

APPEARANCE:..... White Granules
ODOR:..... Sharp, Chlorine-like
BOILING POINT ..... N/A
SPECIFIC GRAVITY (H_2O)=1).... >1
PERCENT VOLATILE ..... N/A
EVAPORATION RATE (____=1)... N/A
Available Chlorine:..... 85.5%
DECOMPOSITION TEMPERATURE..... 437°F
BULK DENSITY (loose): 0.89 to 1.1 g/cc
pH (in 1% solution)..... 2.7-2.9
SOLUBILITY IN WATER..... 1.2%
VAPOR DENSITY (Air = 1)..... N/A
MOLECULAR WEIGHT..... 232.5

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... N/A
FLAMMABLE LIMITS..... N/A
EXTINGUISHING MEDIA..... Use water spray to cool containers exposed to fire. Massive quantities of water to dilute material involved in fire.
SPECIAL FIRE FIGHTING PROCEDURES:.... Self-contained breathing apparatus with full face-piece and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS:.. Highly reactive oxidizing and chlorinating agent. Solid material is highly irritating to skin eyes, and respiratory tract. Decomposition from heat or contact with water will evolve dense and noxious fumes containing chlorine and other toxic gases.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:..... N/A
EFFECTS OF OVEREXPOSURE:..... Irritation of the eyes nose throat pharynx and respiratory tract is likely to develop from exposures to the dust of this material.
EMERGENCY AND FIRST AID PROCEDURES:... IF SWALLOWED: Drink promptly large quantities of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. **IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably, mouth-to-mouth. Get medical attention. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION VI - REACTIVITY DATA

STABILITY: This Product is stable
CONDITIONS TO AVOID:..... Contact with ammonia, ammonium salts, urea, or similar nitrogen-containing compounds may form nitrogen trichloride (highly explosive).
INCOMPATIBILITY: (Materials to avoid).. Reacts with organic matter and other easily chlorinated or oxidized materials.
HAZARDOUS DECOMPOSITION PRODUCTS:.... Combustion products: chlorine and other toxic gases contact with water releases hypochlorous acid which can further oxidize surrounding organic material and generate hydrochloric acid.
HAZARDOUS POLYMERIZATION:..... WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF MATERIAL RELEASED OR SPILLED:... Wear eye protection, protective clothing and respiratory protection during cleanup. Sweep up and recover or mix material with moist absorbent and shovel into waste container, wash down spill area with copious amounts of water and flush to sanitary drain or sewer serviced by wastewater treatment facility.
WASTE DISPOSAL METHOD:... This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lake, streams, ponds, estuaries, oceans or other waters. Unless in accordance with the requirements of a National Pollutant Discharge Elimination system (NPDES) permit and the permitting authority has been notified in writing prior to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type)... Use MSHA-NIOSH approved respirator for dusts, mists, and fumes with TLV not less than .05 mg/m^3
VENTILATION:
LOCAL EXHAUST:..... At open, transfer point's
PROTECTIVE GLOVES:..... Rubber gloves
EYE PROTECTION:..... Safety goggles
OTHER PROTECTIVE EQUIPMENT:... Chemical resistant aprons.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:... Keep product in tightly closed container when not in use. Store in cool, dry, well-ventilated area away from heat and open flame. In case of decomposition, isolate container in open area, if possible, and flood with large amounts of water.
OTHER PRECAUTIONS:... Do not reuse empty container. Rinse empty container thoroughly with water to dissolve all material before discarding. Place in trash collection or dispose in approved landfill area.

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.

Last Review/Revision Date: 09/03/2012 By: Dana Wm. Somesla