

MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

Product SKU Number:..... 302
 Manufacturer's Name:..... Chem Lab Products, 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:.... Trichloro-s-triazinetriene
 Trade Name and Synonyms:..... Kem Tek Black Algaecide
 Chemical Family:..... Chloroisocyanurates
 Formula:..... $N_3O_3C_3Cl_3$ ___ CAS # 00087-90-1
 NFPA Rating: Health:3 Flammability:0 Reactivity:2 Special: (ox)
 DOT Proper Shipping Name:..... Consumer commodity
 DOT ID Number:..... ORM-D
 DOT Hazard Class:..... N/A
 Package Group:..... II

SECTION II - HAZARDOUS INGREDIENTS

Trichloro-s-triazinetriene..... 99%

SECTION III - PHYSICAL DATA

FREEZING POINT..... N/A ___ DECOMPOSITION TEMPERATURE.... 437°F
 BOILING POINT N/A ___ BULK DENSITY (loose) .89 - 1.1 g/cc
 SPECIFIC GRAVITY ($H_2O=1$)... N/A ___ pH (in 1% solution)..... N/A
 pH N/A... SOLUBILITY IN WATER 1.2%
 VAPOR PRESSURE (cm Hg.).... N/A .. VAPOR DENSITY (Air = 1)..... N/A
 PERCENT VOLATILE N/A ___ MOLECULAR WEIGHT..... 232.5
 EVAPORATION RATE (___=1).... N/A .. ODOR Sharp, Chlorine-like
 APPEARANCE White granular solid..

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 amounts 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:..... Not Established
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.

CONDITIONS TO AVOID None Known.

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 Products 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/m³

VENTILATION:

LOCAL EXHAUST: At open transfer points.

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Chemical Safety goggles

OTHER PROTECTIVE EQUIPMENT: Chemical resistant aprons.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep Products 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.

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