

MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

Product SKU Number:..... 306, 206, 280, 281, 2800, 2810, 2811
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:... Poly[oxyethylene(dimethyliminio)
..... ethylene (dimethyliminio)ethylene] dichloride; WSCP
Trade Name and Synonyms:..... Spa Kem Algy Bar 206 (206)
..... Kem Tek Algaecide & Clarifier (280,281,306,2800,
..... 2810,and 2811)
Chemical Family:..... Algaecide
Formula:.... 6% in water CAS # 31075-24-8
NFPA Rating: Health:1 Flammability:1 Reactivity:1 Special:

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

SECTION II - HAZARDOUS INGREDIENTS

Poly[oxyethylene(dimethyliminio) ethylene (dimethyliminio)ethylene]
dichloride; WSCP..... 6%

SECTION III - PHYSICAL DATA

| | | | |
|---|-------------------|-------------------------------|-------|
| FREEZING POINT..... | <0° | | |
| BOILING POINT | >212°F | DECOMPOSITION TEMPERATURE.... | N/A |
| SPECIFIC GRAVITY (H ₂ O)=1)... | 1.013 | BULK DENSITY (loose)..... | N/A |
| pH | 6-8 | pH (in 1% solution)..... | N/A |
| VAPOR PRESSURE (cm Hg.)..... | N/T | SOLUBILITY IN WATER..... | 100% |
| PERCENT VOLATILE | N/A | VAPOR DENSITY (Air = 1)..... | N/A |
| EVAPORATION RATE (____=1)..... | N/T | MOLECULAR WEIGHT..... | 74.45 |
| APPEARANCE | Blue Green liquid | ODOR | Mild |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... None
FLAMMABLE LIMITS..... N/A
EXTINGUISHING MEDIA..... Dry chemical, water foam, carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES:..... None
UNUSUAL FIRE AND EXPLOSION HAZARDS:
..... None

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:..... N/A
EFFECTS OF OVEREXPOSURE:
INHALATION - not expected to be a primary route of exposure.
EYE - expected to be an irritant. SKIN - repeated or prolonged
skin contact may cause irritation and superficial burns.
INGESTION - not expected to be a primary route of exposure.
EMERGENCY AND FIRST AID PROCEDURES:
IF SWALLOWED: Drink large quantities of milk or gelatin solution,

or if these are not available, drink large quantities of water. Do not induce vomiting. Get prompt medical attention. **IF IN EYES:** Flush with a steady, gentle stream of water for 15 minutes. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. **IF INHALED:** Remove victim to fresh air. Call physician if exposure is severe.

SECTION VI - REACTIVITY DATA

STABILITY:..... This Product is stable.
CONDITIONS TO AVOID:..... None Known.
INCOMPATIBILITY: (Materials to avoid)... None Known.
HAZARDOUS DECOMPOSITION PRODUCTS:..... None Known.
HAZARDOUS POLYMERIZATION:..... Will Not Occur.

SECTION VII - SPILL OR LEAK PROCEDURES

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

Contain any spills with dikes or adsorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills can be pumped or vacuumed up and finished off with dry chemical absorbent. May require excavation of contaminated soil.

WASTE DISPOSAL METHOD:

This Product is not regulated as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type)

None under normal conditions.

VENTILATION:

LOCAL EXHAUST: Desirable

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Chemical Safety goggles

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in cool, dry, well-ventilated area.

OTHER PRECAUTIONS: None known.

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Last Revision/Review Date: 1/7/05

By: Dana Wm. Somesla Title: Chemist

MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

EPA REG. Number..... 7616-70
Product SKU Number:..... 004,005,006,007,009,013,110,015,020,021,032,261,280,281,2800,
□ □ □ □ □ 2810,2814,2816
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:... Sodium Dichloro-s-Triazinetrione · Dihydrate
Trade Name and Synonyms:..... Kem Tek All In One Chlorinating Granules (005,006,007,009,013,
..... 015,280,281 and 2800,2810, 2814)
..... Spa Kem All In One Chlorinating Granules (261)
..... Kem Tek Splasher Pool Sanitizer (004)
..... Spa Kem Spa Shock (110)
..... Kem Tek Vinyl Pool Shock (020,021,2800,2810,and 2816)
Chemical Family:..... Chloroisocyanurates
Formula:... $\text{NaN}_3\text{O}_3\text{C}_3\text{Cl}_2 \cdot 2\text{H}_2\text{O}$ CAS #: 51580-86-0
NFPA Rating: Health:3 Flammability:1 Reactivity:2 Special: (ox)
DOT Proper Shipping Name:..... Not Regulated
DOT ID Number:..... Not Regulated
DOT Hazard Class:..... Not Regulated
Package Group:..... Not Regulated

SECTION II - HAZARDOUS INGREDIENTS

Sodium Dichloro-s-Triazinetrione·Dihydrate 99%

SECTION III - PHYSICAL DATA

| | | | |
|-----------------------------|-----|--------------------------------|---------------------------|
| FREEZING POINT..... | N/A | DECOMPOSITION TEMPERATURE..... | 460°F |
| BOILING POINT | N/A | BULK DENSITY (loose).... | 57 lbs./ft. ³ |
| SPECIFIC GRAVITY..... | N/A | pH (in 1% solution)..... | 6.0 |
| pH | N/A | SOLUBILITY IN WATER..... | 25g/100g H ₂ O |
| VAPOR PRESSURE (cm Hg.).... | N/A | | |
| PERCENT VOLATILE BY VOLUME. | N/A | MOLECULAR WEIGHT..... | 219.9 |
| EVAPORATION RATE (____=1).. | N/A | APPEARANCE..... | White granular solid |
| VAPOR DENSITY (Air = 1).... | N/A | ODOR..... | Slight, Chlorine odor |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... N/A
FLAMMABLE LIMITS..... N/A
EXTINGUISHING MEDIA..... Water fog.
SPECIAL FIRE FIGHTING PROCEDURES:... Use self-contained breathing apparatus in close proximity of fire. Wear full protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS:... Use water spray to cool containers exposed to fire and massive quantities of water to dilute material involved in a fire or spilled from containers.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:..... None 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:** Promptly drink large amounts 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. 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:... Keep dry - avoid prolonged storage in unventilated areas at summer temperatures.

INCOMPATIBILITY: (Materials to avoid)... Small amounts of water, organic matter, oxidized materials; ammonia, urea or nitrogen containing compounds, inorganic reducing compounds, calcium hypochlorite; alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS:.... Upon thermal decomposition or contact with H₂O, extremely dense and noxious fumes containing chlorine and other toxic gases may be produced.

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 Products 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 goggles

OTHER PROTECTIVE EQUIPMENT:... Chemical resistant apron.

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.

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MATERIAL SAFETY DATA SHEET

SECTION I - COMPANY AND PRODUCT INFORMATION

Product SKU Number:..... 042, 044, 280, 281, 2800, 2810, 2812
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:... Sodium Bisulfate Anhydrous Globular
Trade Name and Synonyms:..... KEM TEK pH Minus; Dry Acid
Chemical Family:..... Sodium Bisulfate
Formula:..... NaHSO₄ CAS # 07647-01-0

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

DOT Proper Shipping Name:..... Not Classified as Hazardous
DOT ID Number:..... Not Classified as Hazardous
DOT Hazard Class:..... Not Classified as Hazardous
Package Group:..... Not Classified as Hazardous

SECTION II - HAZARDOUS INGREDIENTS

Sodium Bisulfate..... 94.5%

SECTION III - PHYSICAL DATA

| | |
|---|---|
| FREEZING POINT..... N/A | DECOMPOSITION TEMPERATURE.... N/A |
| BOILING POINT 350° F | BULK DENSITY (loose).. 83 lb./ft ³ |
| SPECIFIC GRAVITY (H ₂ O)=1)..... N/A | pH (in 1% solution)..... <1 |
| pH N/A | SOLUBILITY IN WATER..... 100 |
| VAPOR PRESSURE (cm Hg.).. Variable | VAPOR DENSITY (Air = 1)..... 11.0 |
| PERCENT VOLATILE Non-Volatile | MOLECULAR WEIGHT..... 120.054 |
| EVAPORATION RATE (____=1)..... N/A | ODOR None |
| APPEARANCE Off-white, bead like, granular, dry material | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... N/A
FLAMMABLE LIMITS..... N/A
EXTINGUISHING MEDIA..... Water or dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES:

If water is used to extinguish combustibles and product is dissolved in water forming sulfuric acid, wear acid protective equipment. Self-contained breathing apparatus should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Product readily dissolves in water to form a weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:..... N/A

EFFECTS OF OVEREXPOSURE:

INGESTION: May irritate or burn mouth, esophagus, or stomach. No exposure limits established. **INHALATION:** Irritant. May irritate or burn nose, throat and lungs. No exposure limits established.

EYE: Mild to severe irritant. May cause burns if not flushed with water. **SKIN:** Mild to severe irritant. May cause burns if not flushed with water. **CARCINOGENICITY:** Not listed as carcinogen by NTP, IARC, or OSHA.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with water for at least 15 minutes lifting

eyelids to thoroughly flush. Get prompt medical attention. **SKIN:** Immediately flush with water for 15 minutes. If burns occur, obtain medical help. **INHALATION:** move to fresh air location. If irritation or discomfort persist, seek medical attention. **INGESTION:** Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs, or vegetable oil. Do not induce vomiting. Contact physician immediately.

SECTION VI - REACTIVITY DATA

STABILITY: This Product is stable

CONDITIONS TO AVOID:

Store in dry area to avoid moisture contact.

INCOMPATIBILITY: (Materials to avoid)

Avoid contact with strong alkaline materials such as caustic.

Reacts with water to form weak sulfuric acid solution.

HAZARDOUS DECOMPOSITION PRODUCTS:

None unless heated over 570° F at which sulfur dioxide and sulfur trioxide are formed.

HAZARDOUS POLYMERIZATION:..... WILL NOT OCCUR

CONDITIONS TO AVOID None

SECTION VII - SPILL OR LEAK PROCEDURES

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

Small Spill: Material is a granular product and can be swept up from surfaces.

Large Spill: Pick up as much as possible with shovel or other tool.

Neutralize balance of spill with weak alkaline solution, and wash down to sewer if federal, state, and local regulations permit.

WASTE DISPOSAL METHOD:

Comply with all local, state, and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type)

NIOSH or MSA certified dust mask should be worn. To control exposure below nuisance dust limits of 10 mg/m³.

VENTILATION:

LOCAL EXHAUST: Local ventilation to a dust collector is recommended.

PROTECTIVE GLOVES: Wear acid resistant gloves (Rubber or Neoprene).

EYE PROTECTION: Safety goggles or full face shield.

OTHER PROTECTIVE EQUIPMENT:

Clothes should completely cover skin to avoid skin contact. Coats, coveralls, or aprons are recommended.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store where exposed to moist conditions or near strong alkalis. Keep containers tightly closed.

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

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SAFETY GUIDELINES FOR NON-HAZARDOUS FINISHED GOODS

GENERAL INFORMATION:

TRADE NAME:..... Kem Tek pH Plus SKU # 056, 057, 058, 280, 281
..... Spa Kem pH Plus SKU # 257, 258

ACTIVE CHEMICAL NAME:..... Sodium Carbonate (Soda Ash, Anhydrous)

ACTIVE CHEMICAL FORMULA:..... Na_2CO_3

FIRST AID:

SKIN:..... Flush thoroughly with water. If irritation persists, call a physician.

EYES:..... Flush thoroughly with water. Call a physician.

SWALLOWED:..... Give large quantities of water. If irritation or indigestion occurs, call a physician.

HAZARD INFORMATION:

FIRE AND EXPLOSION:..... None

INHALATION:..... None

PRECAUTION/PROCEDURES:

NORMAL HANDLING:..... Do not puncture. Keep upright

STORAGE:..... Avoid moisture contamination.

PRECAUTIONARY LABEL:.... Irritant.

SMALL SPILLS/LEAKS:..... Sweep up and return to original or other plastic container. Otherwise dispose of in sewage.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Glasses, goggles, or face shields are recommended.

HANDS, ARMS, AND BODY: Plastic/rubber glove and body cover is recommended.

PHYSICAL DATA:

MATERIAL:..... Solid

APPEARANCE:..... White Powder

STABILITY:..... Excellent

INCOMPATIBILITY:..... Avoid acids and moisture contamination.

SHELF LIFE:..... 1 year minimum

ENVIRONMENTAL:

DEGRADABILITY: None

WASTE DISPOSAL: Small quantities may be disposed of in sewage, with large quantities of water

REFERENCES:

REGULATORY:..... None

LABEL:..... None

The information herein is believed to be reliable. However, no warranty, expressed or implied is made as to its accuracy or completeness and none is made as to merchantability of the material or the fitness for any purpose. The manufacturer shall not be liable for consequential damage to persons or properties resulting from its use. This information is provided as a courtesy. To our customers to promote safety by persons handling and using this merchandise.