

SCM-117 Pro-Tek™ Inhibitor

MSDS# SCM-117
March 2008

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Manufactured by: Specialty Chemical Manufacturing
A DiversiTech Company
1633-B High Bridge Road
Quincy, FL 32351

EMERGENCY Phone No.: 1+800.434.9300 Chem-Tel (Chemical Emergencies Only)

Phone Number for Information: 850-875-1716 Fax: 850-627-2699

Date Revised: January 2008

Prepared by: Anthony Jernigan

SECTION 2. COMPONENT INFORMATION

INGREDIENT	CAS No.	OSHA TLV	% or Range
Dipotassium phosphate	7758-11-4	Not established	40-60
Water	7721-18-5		40-60

SECTION 3. HAZARDS IDENTIFICATION

Physical Appearance and Odor: clear, odorless liquid,

CAUTION! May cause skin, eye and respiratory tract irritation. Corrosive to metals.

POTENTIAL HEALTH EFFECTS:

Acute Eye: Expected to cause significant irritation to the eyes.

Acute Skin: Low acute dermal toxicity. May cause significant irritation to the skin.

Acute Inhalation: Depending on the concentration and duration of exposure, may cause respiratory tract irritation, a burning sensation, shortness of breath.

Acute Ingestion: Ingestion of large quantities may cause irritation, abdominal cramps, nausea, vomiting, diarrhea.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION 4. FIRST AID MEASURES

Eye Contact: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Contact: In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes while washing. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.

Inhalation: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

Ingestion: Call the nearest poison control center or the National Poison Control hotline at 1-800-222-1222 for advice immediately. Do not induce vomiting, unless directed to do so by a physician. If victim is conscious and alert, give 2-3 glasses of water to drink. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical. Call the nearest poison control center or the National Poison Control hotline at 1-800-222-1222 for advice. Also see Note To Physician.

Medical Conditions Aggravated By Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

Notes To Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule. All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcemia, so calcium levels should be monitored.

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SECTION 5. FIREFIGHTING MEASURES

Flash Point: Not Applicable

Extinguishing Media: Not combustible. Use extinguishing method suitable for surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: Not combustible.

Hazardous Decomposition Materials (Under Fire Conditions): oxides of phosphorus; oxides of potassium

SECTION 6. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. Refer to Personal Protection information in Section 8.

Containment of Spill: Dike the spill to prevent the spread of liquid using the materials described under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill: Absorb with an inert absorbent. Sweep or vacuum up and place in an appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water and detergent. Collect washings for disposal.

Environmental and Regulatory Reporting: Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

SECTION 7. HANDLING AND STORAGE

Keep containers closed when not being used. Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes.

Store in an area that is cool, dry, sanitary, well-ventilated. Protect from freezing.

SECTION 8. EXPOSURE CONTROLS

Exposure Guidelines: None

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, use local exhaust ventilation.

Respiratory Protection: Not required for normal use.

Eye/Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices.

Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

Skin Protection: Wear rubber neoprene or nitrile gloves aprons and boots as necessary to minimize contact with skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor pressure (mm Hg): 0.1 mmHg at 20°C

Vapor Density: Same as water

Water Solubility: Miscible

Appearance and odor: odorless water white liquid.

Specific gravity: 1.54 at 59°F

Boiling Point: <220°F

Freezing Point: <32°F

pH as supplied: 10 to 10.3

SECTION 10. STABILITY AND REACTIVITY

Stability: This material is stable under normal handling and storage conditions described in Section 7.

Conditions To Be Avoided: protect from freezing

Incompatible Materials: none known

Hazardous Decomposition Products: oxides of phosphorus, oxides of potassium

Hazardous Polymerization: Will Not Occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: No test data found for product.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: LD50->5000mg/kg, rabbit

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity: LD50-4819mg/kg, rat

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found for product.

Chemical Fate Information: No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

EPA Hazardous Waste - YES

EPA RCRA HAZARDOUS WASTE CODES: "C" Corrosive.

SECTION 14. TRANSPORT INFORMATION

U.S. DOT: ORM-D

OCEAN TRANSPORT: UN3266, Corrosive liquid, Basic, Inorganic, NOS (Contains dipotassium phosphate), 8, PGIII (Ltd. QTY)

SECTION 15. REGULATORY STATUS

Listing:	USA TSCA	Canada DSL	Europe EINECS	Australia AICS	Japan MITI	S. Korea KECL
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All components of this product are listed on each of the inventories above.

SARA Title III Hazard:	Fire: No	Reactivity: No	Sudden Release of Pressure: No	Health Hazard Acute: No Chronic: No
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STATE REGULATIONS: This product does not contain any components that are regulated under California Proposition 65.

SECTION 16. OTHER INFORMATION

HMIS Rating: Health-2, Flammability-0, Reactivity-0

17. MANUFACTURER:

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 A DiversiTech Company
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 Quincy, FL 32351
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