

# Material Safety Data Sheet

Date last revised: 7 April 2007

## I. General Information

<b>Chemical Name and Synonyms</b> Temephos	<b>Trade Name &amp; Synonyms</b> Abate 5% Tire Treatment
<b>Chemical Family</b> Organophosphate	<b>EPA Registration Number</b> 8329-30
<b>Proper DOT Shipping Name</b> Agricultural Insecticide, N.O.I., Other than Liquid	<b>DOT Hazard Classification</b> Non-Hazardous
<b>Manufacturer</b> Clarke Mosquito Control Products, Inc.	<b>Manufacturer's Phone Number</b> (630) 894-2000
<b>Manufacturer's Address</b> 159 North Garden Avenue Roselle, Illinois 60172	<b>INFOTRAC (Transportation/Spill Emergency) 1-800-553-5053</b> <b>Poison Control Center (Medical Emergency) 1-800-214-7753</b>

**Warning** Causes substantial, but temporary eye injury. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove Contaminated clothing and wash before reuse. KEEP OUT OF REACH OF CHILDREN.

## II. Ingredients

Principal Hazardous Components	CAS #	OSHA PEL-TWA	Percent
Temephos	003383-96-8	15mg/m3	5.0%

## III. Physical Data

<b>Boiling Point (°F):</b> Not Applicable	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>
<b>Vapor Pressure (mm Hg.):</b> Negligible	<b>Vapor Density (Air = 1):</b> Not Available
<b>Solubility in Water:</b> Negligible	<b>Odor:</b> Mercaptan-like odor
<b>Appearance:</b> Buff colored, free flowing granules	

## IV. Fire & Explosion Hazard Data

**Flash Point (Test Method):** Not Applicable

**Extinguishing Media:** Extinguish using an agent suitable for the surrounding fire. (Material itself does not burn or burns with difficulty)

**Special Fire Fighting Procedures:** Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent pesticide run-off. Use spray or fog, solid stream may cause spreading. Do not decontaminate personnel or equipment, or handle broken packages or containers without protective equipment as specified in the Exposure Control Section. Decontaminate emergency personnel with soap and water before leaving the fire area.

**Unusual Fire & Explosion Hazards:** Avoid breathing dusts, vapors and fumes from burning materials. Control run-off water. If water enters a drainage system, advise the authorities downstream.

## V. Health Hazard Data

<b>Toxicity*:</b> Oral LD <sub>50</sub> : > 1,500 mg/kg Dermal LD <sub>50</sub> : > 2,000 mg/kg	This product is considered to be practically nontoxic by ingestion in single doses. This product is considered to be no more than slightly toxic by single skin applications.
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\* Toxicity data based on ABATE Technical

**Teratogenicity:** No teratogenic or fetotoxic effect was observed at all dose levels tested in both rabbits and rats

**Mutagenicity:** No mutagenic activity was observed in ABATE Tech by all test methods used. (Bacterial/Microsome Reverse Mutation (AMES) Test, Chemical Induction of Chromosome Aberration using Monolayer Cultures or Chinese Hamster Ovary (CHO) Cells with and without Metabolic Activity, Rat Hepatocyte Primary Culture/DNA Repair Test, and Mammalian Cell CHO/Hypoxanthine Guanine Phosphoribosyl Transferase (HGPRT) Mutagenicity Test)

**Medical Conditions Aggravated by Exposure:** Knowledge of the available toxicology information and of the physical and chemical properties of the material suggest that overexposure is unlikely to aggravate existing medical conditions.

**Symptoms of Overexposure (Note to Physicians):** This product may inhibit activity of cholinesterase. Atropine is antidotal. Pralidoxime chloride (2-PAM; PROTOPAM Chloride) may be effective as an adjunct to atropine.

### EMERGENCY FIRST AID

**Skin Contact:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes

**Inhalation:** Remove to fresh air.

**Eye:** Causes substantial but temporary eye injury. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person

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Abate 5% Tire Treatment

Date last revised: 5 April 2007

**VI. Reactivity Data**

<b>Stability:</b>		Unstable	Conditions to Avoid: Storage above 60 °C
	X	Stable	
<b>Incompatibility</b>		May Occur	Conditions to Avoid: Strong alkalines and some oxidizing agents
	X	Will Not Occur	
<b>Hazardous Decomposition Products</b>	Decomposition may produce oxides of carbon, phosphorous, and sulfur		

**VII. Environmental Protection Procedures**

**Spill Response:** Wear protective equipment per Exposure Control Methods Section. Shovel spill into a closed metal container.

**Storage:** Do not contaminate water, food, or feed by storage or disposal. Store in a secure, dry, well-ventilated room, building or covered area.

**Waste Disposal:** Dispose of in accordance with local, state, and federal regulation.

**VIII. Special Protection Information**

**Exposure Control Methods:** Loaders and applicators involved in backpack blower application must wear long-sleeved shirt and long pants, shoes and socks, chemical-resistant gloves and protective eyewear, such as goggles, or safety glasses. Aerial applicators and flaggers must wear long-sleeved shirt, long pants, shoes plus socks. Flaggers must wear chemical resistant headgear and protective eyewear. All other loaders, applicators and handlers must wear coveralls over long-sleeved shirt and long pants, chemical resistant gloves, chemical-resistant foot wear plus socks, protective eyewear, such as goggles or safety glasses, and chemical resistant headgear (if overhead exposure). Loaders supporting aerial applications must wear a dust mist filtering respirator with MSHA/NIOSH approved number prefix TC-21C or a NIOSH-approved respirator with any M,R,P, or HE filter

**Other Protection:** Loaders and cleaners of equipment must wear a chemical resistant apron. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

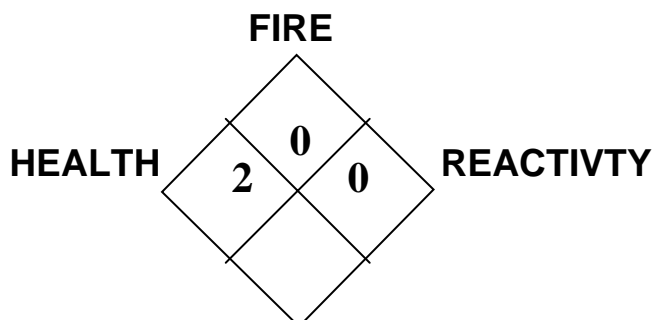
**IX. Additional Regulatory Information****SARA Title III Data****Section 311 and 312 Hazard Categories**

Immediate Health Hazard	Y	Reactive Hazard	N
Delayed Health Hazard	N	Sudden Pressure	N
Fire Hazard	N	Release Hazard	N

**Section 302 Extremely Hazardous Substances:** None

**Section 313 Toxic Chemicals:** Temephos CAS# 3383-96-8 5.0% by weight

**CERCLA Reportable Quantity:** None

**NFPA Code Key**

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

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