

# MATERIAL SAFETY DATA SHEET

Revised: 10/30/97

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## SECTION I - IDENTIFICATION OF PRODUCT

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MANUFACTURER'S NAME: BAY TECH CHEMICAL COMPANY  
12385 AUTOMOBILE BLVD.  
CLEARWATER, FLORIDA 33762

PRODUCT NAME: **PROTECH FLEA, TICK &  
MANGE DIP CONCENTRATE** EPA REGISTRATION NO. 28293-51  
EPA ESTABLISHMENT NO.44616-MO1  
&62478-FL-1

EMERGENCY PHONE: (813) 572-5511

CHEMICAL NAME: See Section VI

C.A.S. NAME: See Section VI

C.A.S. NUMBER: See Section VI

CHEMICAL FORMULA: See Section VI

MOLECULAR WEIGHT: N/E

CHEMICAL FAMILY: Organophosphate

D.O.T. HAZARD CLASS: N/A

D.O.T. SHIPPING NAME: ORM-D, Consumer Commodity

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## SECTION II - PHYSICAL DATA

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ODOR:	Petroleum odor	MELTING POINT:	N/A
APPEARANCE:	Liquid	PARTICLE SIZE:	N/A
LBS/GAL:	8.4587	CLOUD PT:	50-60°F
COLOR (G-H):	Clear Yellow	PERCENT VOLATILE:	N/E
BOILING POINT:	300-340°F	EVAPORATION RATE:	N/E
VAPOR PRESSURE:	<10 mmHg	FLASH POINT:	108°F
VAPOR DENSITY:	ca 4.0	SPECIFIC GRAVITY:	0.870
BULK DENSITY (FLUFFED):	N/A	BULK DENSITY (SETTLED):	N/A
REFRACTIVE INDEX:	1.445		
SOLUBILITY (OIL):	Soluble	SOLUBILITY (WATER):	Insoluble

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## SECTION III - FIRE & EXPLOSION HAZARD DATA

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FLASH POINT (METHOD USED):	108°F TCC
FLAMMABLE LIMIT (LOWER):	N/E
FLAMMABLE LIMIT (UPPER):	N/E
FIRE EXTINGUISHING MEDIA:	Foam, CO <sub>2</sub> , dry chemical
SPECIAL PROCEDURES:	Do not breath vapors, fumes, smoke or decomposition product. If overcome by vapor, remove from exposure and call a physician at once.
UNUSUAL FIRE/EXPLOSION HAZARDS:	This product is stable and will not react violently with water. Avoid contact with strong oxidants such as chlorine, sodium or calcium hypochlorites.

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## SECTION IV - HEALTH HAZARD DATA

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TOXICITY CATEGORY:	"Warning" label required
ORAL LD50:	N/E
DERMAL LD50:	N/E
INHALATION LD50:	N/E
EYE EFFECTS:	Primary irritant
SKIN EFFECTS:	Primary irritant
THRESHOLD LIMIT VALUE:	N/E
ADDITIONAL COMMENTS:	Cholinesterase inhibitor. May be fatal if swallowed. Causes eye irritation. Do not get in eyes. Avoid contact with skin and clothing.

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## SECTION V - SPECIAL PROTECTION

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EYE PROTECTION:	Avoid getting in eyes.
SKIN PROTECTION:	Rubber or latex protective gloves.
RESPIRATORY PROTECTION:	Avoid breathing vapors.
OTHER PRECAUTIONS:	Wear chemical-resistant gloves when using this product to bathe dogs. Excessive or prolonged contact of this dip solution with the skin should be avoided. Contaminated utensils should not be used for any other purpose after use with insecticide. Do not treat sick or debilitated animals or animals under 4 months of age. Do not treat nursing animals. Wash thoroughly after using and before eating or smoking. DO NOT USE ON CATS.

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## SECTION VI - HAZARDOUS COMPONENTS OF MIXTURES

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<u>MATERIAL</u>	<u>PERCENT</u>
Chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothiate] (CAS #002921-88-2)	4.85%
Inert Ingredients**	95.15%
** Contains petroleum distillate	

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## SECTION VII - EMERGENCY & FIRST AID PROCEDURES

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CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.

IF SWALLOWED: May be fatal if swallowed. Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration hazard. Get medical attention at once.

IF INHALED: Use only in well ventilated areas. No smoking or open lights. Use supplied air respiratory protection in confined or enclosed spaces, if needed.

IF ON SKIN: Avoid contact with skin, may cause allergic skin reactions, wear natural rubber or neoprene gloves and aprons and pants and long sleeved shirts when using this product. In case of skin contact, remove all contaminated clothing and wash skin thoroughly with soap and water before eating or smoking.

IF IN EYES: Do not get in eyes. Causes eye irritation. Use splash goggles or face shield when eye contact may occur. If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

NOTE TO PHYSICIAN: Atropine sulfate by injection is antidotal only if signs of cholinesterase inhibition are present.

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## SECTION VIII - EFFECTS OF OVER-EXPOSURE

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Illness may occur rapidly after overexposure to this product. The principle hazard is reversible cholinesterase inhibition. Symptoms are dose dependent, rapid in onset and reversible in time.

Main symptoms: nausea, vomiting, abdominal pain, diarrhea, pinpoint pupils, blurred vision, profuse sweating, salivation, tremor, muscle twitching, and temporary paralysis. In severe poisoning respiratory depression and convulsions may occur.

Repeated overexposure may cause more severe cholinesterase inhibition, with the signs and symptoms more pronounced.

Overexposure may aggravate existing chronic cardiovascular or respiratory disease leading to respiratory difficulty, pulmonary edema and cyanosis.

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## SECTION IX - SPILLAGE OR LEAKAGE PROCEDURES

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Steps to be taken in case undiluted material is spilled or leaked - Shut off and eliminate all ignition sources. Keep people away. Recover free product. Soak up with absorbent material such as Sano, sawdust, earth or other suitable materials. Minimize breathing vapors and skin contact. Ventilate closed spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers.

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## SECTION X - WASTE DISPOSAL METHODS

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Store in closed original container in a cool, locked storage area. Do not store near heat, sparks, flame or strong oxidants. Do not reuse container. Rinse thoroughly. Wrap in newspaper before discarding in trash.

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## SECTION XI - ADDITIONAL PRECAUTIONS

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Environmental Hazards - This product is toxic to fish, birds and wildlife. Do not allow to get into lakes, streams or ponds. Do not use contaminated utensils or equipment for any other purpose after use with this product and do not contaminate water by cleaning or disposing of undiluted or diluted product or utensils.

Keep out of reach of children.

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## SECTION XII - COMMENTS

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The information contained herein is believed to be accurate whether originating with Bay Tech or not. Bay Tech provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data. Recipients are advised to confirm any data, in advance of need, that it is current, applicable and suitable to their circumstances.

N/E = Not established

N/A= Not Applicable