

MATERIAL SAFETY DATA SHEET

Revised: 10/30/97

SECTION I - IDENTIFICATION OF PRODUCT

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

PRODUCT NAME: PRO TECH CONTROL FLEA & ROACH CONCENTRATE

EPA REGISTRATION NO. 1021-1523-65525
EPA ESTABLISHMENT NO. 62478-FL-1A & 44616-MO-1B

EMERGENCY PHONE: (813) 572-5511 (800)424-9300 - CHEMTREC

CHEMICAL NAME: See Section VI **ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, RIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.**

C.A.S. NAME: See Section VI

C.A.S. NUMBER: See Section VI

CHEMICAL FORMULA: See Section VI

MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: Pyrethroid blend

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

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

SECTION II - PHYSICAL DATA

ODOR:	organic solvent odor	MELTING POINT:	N/A
APPEARANCE:	liquid	PARTICLE SIZE:	N/A
LBS/GAL:	N/A	CLOUD PT:	N/A
COLOR (G-H):	Yellow-colored	PERCENT VOLATILE:	N/A
BOILING POINT:	N/E	EVAPORATION RATE:	N/A
VAPOR PRESSURE:	N/A	FLASH POINT:	160°F TCC
VAPOR DENSITY:	N/A	SPECIFIC GRAVITY (@ 20°C):	0.9350
BULK DENSITY (FLUFFED):	N/A	BULK DENSITY (SETTLED):	N/A
REFRACTIVE INDEX:	N/E		
SOLUBILITY (OIL):	N/A	SOLUBILITY (WATER):	Emulsifiable

MATERIAL SAFETY DATA SHEET

SECTION III - FIRE & EXPLOSION HAZARD DATA

FLAMMABLE LIMIT (LOWER):	N/E
FLAMMABLE LIMIT (UPPER):	N/E
FIRE EXTINGUISHING MEDIA:	CO ⁽²⁾ , Foam, Dry Chemical
SPECIAL PROCEDURES:	Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.
UNUSUAL FIRE/EXPLOSION HAZARDS:	Heat or combustion may produce small amounts of hydrogen cyanide gas.
REACTIVITY INFORMATION	
STABILITY:	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Heat and acidic or alkaline conditions may cause this product to break down. Contact with strong oxidizers may produce an explosive mixture.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen cyanide gas may be produced.
HAZARDOUS POLYMERIZATION:	Will Not Occur

SECTION IV - HEALTH HAZARD DATA

TOXICITY CATEGORY:	"Warning" label required
ORAL LD50:	3.01 g/kg (Rats)
DERMAL LD50:	>2.0 g/kg (Rabbits)
INHALATION LD50:	N/E
EYE EFFECTS:	Can cause severe, but temporary irritation, tearing and blurred vision.
SKIN EFFECTS:	Causes skin irritation.
THRESHOLD LIMIT VALUE:	N/E
ADDITIONAL COMMENTS:	Primary routes of entry are skin, inhalation. May be irritating to nose and throat. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Contains petroleum distillate. Do not induce vomiting because of aspiration hazard and probability of mucosal damage. Avoid breathing vapors.
CARCINOGENICITY:	N/E, but none of the ingredients are considered carcinogenic.

MATERIAL SAFETY DATA SHEET

SECTION V - SPECIAL PROTECTION

- EYE PROTECTION:** OSHA-approved safety glasses, goggles or face shield.
- SKIN PROTECTION:** Protective clothing, Wear rubber gloves. Avoid exposure to skin and clothing.
- RESPIRATORY PROTECTION:** In the absence of proper ventilation, use a respirator approved by NIOSH/MSHA for use with pesticides and organic solvents. **Mechanical ventilation should be used when handling this product.**
- OTHER PRECAUTIONS:** Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not apply directly to food. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Exposed food should be covered or removed. Remove pets, birds and cover fish aquariums before spraying. Do not permit humans or pets to contact treated surfaces until the spray has dried.

SECTION VI - HAZARDOUS COMPONENTS OF MIXTURES

<u>MATERIAL</u>	<u>PERCENT</u>
Cyano (3-phenoxyphenyl) methyl 4-chloro-alpha-(1-methylethyl benzeneacetate CAS #51630-58-1	6.48%
Inert Ingredients *	93.52%

Exposure Limit - TWA

SOURCE

- * Contains Refined Petroleum Solvent
- * 1,1,1-Trichloroethane

350 mg/cu m (NIOSH)
1900 mg/cu m (OSHA, ACGIH)

This product contains the following toxic chemical subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
71-55-6	1,1,1-Trichloroethane	Not more than 25.00

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

- IF SWALLOWED:** Do not induce vomiting. Keep affected person warm and quiet and get medical attention immediately.
- IF INHALED:** Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and get medical attention immediately.
- IF ON SKIN:** Immediately flush affected areas with water. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention.
- IF IN EYES:** Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
- NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

MATERIAL SAFETY DATA SHEET

SECTION VIII - EFFECTS OF OVER-EXPOSURE

ROUTE OF ENTRY

SYMPTOMS AND EFFECTS OF OVEREXPOSURE

Eyes:	Can cause severe, but temporary irritation, tearing and blurred vision.
Skin:	Can cause a burning sensation on more sensitive areas (face, eyes, mouth).
Inhalation:	Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.
Ingestion:	Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can also cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

SECTION IX - SPILLAGE OR LEAKAGE PROCEDURES

Precautions in Case of Spills or Leaks: Eliminate all ignition sources. Contain the spill (prevent this product from reaching surface waters or other water supplies). Soak up the spill with an appropriate absorbent such as sand, earth or synthetic absorbents, and transfer into waste containers for disposal. Clean the spill area with detergent and water.

Do not use alkaline absorbents or clean area of spill with alkaline detergents.

SECTION X - WASTE DISPOSAL METHODS

Contaminated absorbent and wash water should be disposed of according to local, state and Federal regulations.

RCRA/CERCLA Hazardous Waste: This product contains:

Ingredient	RCRA No.	CERCLA RQ-Value
1,1,1-Trichloroethane	U226	1000 lbs

SECTION XI - ADDITIONAL STORATE:

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong oxidizers. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the product label.

Container Disposal: Do not reuse empty container. Wrap empty container in several layers of newspaper and discard in trash.

Environmental Hazards: This product is toxic to fish and other wildlife. Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical and Chemical Hazards: Do not use or store near heat or open flame.

SECTION XII - COMMENTS

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/A = Not Available

N/E = Not Established