

MATERIAL SAFETY DATA SHEET

Revised: 10-10-05

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME: CONTROL SOLUTIONS, INC
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

PRODUCT NAME: Cyper TC Insecticide **EPA REGISTRATION NO. 53883-92**
EPA EST. NO. 53883-TX-002

Emergency Phone: (281) 892-2500

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/A

CHEMICAL FAMILY: Synthetic Pyrethroid Insecticide

SECTION II - PHYSICAL DATA

ODOR:	Aromatic Solvent	MELTING POINT:	N/E
APPEARANCE:	liquid	PARTICLE SIZE:	N/A
LBS/GAL:	7.88	CLOUD PT:	N/A
COLOR (G-H):	Dark Amber	PERCENT VOLATILE:	N/E
BOILING POINT:	N/E	EVAPORATION RATE:	N/E
VAPOR PRESSURE:	N/E	FLASH POINT:	164° F
VAPOR DENSITY:	N/E	SPECIFIC GRAVITY:	0.945 (25° C)
BULK DENSITY (FLUFFED):	N/A	BULK DENSITY (SETTLED):	N/A
REFRACTIVE INDEX:	N/E	pH:	3.98(1% solution)
SOLUBILITY (OIL):	N/A	SOLUBILITY (WATER):	Emulsifiable

MATERIAL SAFETY DATA SHEET

SECTION III - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):	164°F (Seta Closed Cup)
FLAMMABLE LIMIT (LOWER):	N/E
FLAMMABLE LIMIT (UPPER):	N/E
FIRE EXTINGUISHING MEDIA:	Foam, carbon dioxide, dry chemical & water fog.
SPECIAL PROCEDURES:	Use self-contained breathing apparatus. Cool fire exposed areas and equipment.
UNUSUAL FIRE/EXPLOSION HAZARDS:	None known.

SECTION IV - HEALTH HAZARD DATA

TOXICITY CATEGORY:	"WARNING" label required
ORAL LD₅₀:	> 1000 mg/kg
DERMAL LD₅₀:	> 2000 mg/kg
INHALATION LC₅₀:	> 10 mg/L
EYE EFFECTS:	Slight Irritant
SKIN EFFECTS:	Slight Irritant
THRESHOLD LIMIT VALUE:	N/E
ADDITIONAL COMMENTS:	May causes slight skin and eye irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing spray mist.

SECTION V - SPECIAL PROTECTION

EYE PROTECTION:	Avoid contact - Wear goggles, face shield or safety glasses.
SKIN PROTECTION:	Avoid Contact - Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.
RESPIRATORY PROTECTION:	Avoid breathing spray mist
OTHER PRECAUTIONS:	Do not use or store near heat or open flame. Do not apply diluted product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard.

MATERIAL SAFETY DATA SHEET

SECTION VI - COMPOSITION/INFORMATION ON INGREDIENTS

<u>MATERIAL</u>	<u>PERCENT</u>
Cypermethrin CAS #52315-07-8 (±) α - cyano-(3-phenoxyphenyl) methyl (±) cis, trans-3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio: 47/53(±)10.	25.4%
Inert Ingredients	74.6%

SECTION VII - HAZARDOUS COMPONENTS OF MIXTURES

<u>MATERIAL</u>	<u>PERCENT</u>
Cypermethrin CAS #52315-07-8 (±)α - cyano-(3-phenoxyphenyl) methyl (±) cis, trans-3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio: 47/53(±)10.	25.4%

SECTION VIII - EMERGENCY & FIRST AID PROCEDURES

- IF SWALLOWED:** Do not induce vomiting. Call a physician or Poison Control Center. Do not give anything by mouth to an unconscious person.
- IF IN EYES:** Flush eyes with plenty of water. Call a physician.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention.
- NOTE TO PHYSICIAN:** Inducing vomiting as first aid for this substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

SECTION VIII - EFFECTS OF OVER-EXPOSURE

N/E

SECTION IX - SPILLAGE OR LEAKAGE PROCEDURES

In case of spill or leakage, soak up with an absorbent material such as sand, fuller's earth or synthetic absorbent. Remove to chemical waste area. Dispose of according to local, state authorities.

MATERIAL SAFETY DATA SHEET

SECTION X – STORAGE & DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping prohibited. Do not reuse empty container.

STORAGE: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refillable Return Containers: Resale container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning.

Container Precautions: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. REFILL ONLY WITH CYPER TC Insecticide. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than CYPER TC Insecticide will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking containers.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

SECTION XI - ADDITIONAL PRECAUTIONS

Environmental Hazards: This product is extremely toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to any body of water, or to any areas where the surface water is present or to intertidal areas below the mean high water mark. Apply this product only as specified on this label. Care should be used when spraying to avoid fish and reptile pets by removing pets and covering fish tanks before spraying.

Product is for Industrial/Institutional/Commercial Use only.

SECTION XII – TRANSPORTATION INFORMATION

Proper Shipping Name:

For Non-Bulk Packaging: (4x1 gallon and 30 gallon drums)
Insecticide, Liquid, N.O.I. (NMFC Code 102120, Class 60)
(Not currently regulated by D.O.T)

For Bulk Packagings: (250 gallon totes)
Combustible Liquid, N.O.S (Contains petroleum distillates)
NA-1993, PG III

Cyper TC can only be offered for domestic transport by highway or rail and cannot be offered for shipment by vessel (water) or international transport.

SECTION XIII - COMMENTS

The information contained herein is believed to be accurate whether originating with Control Solutions, Inc. or not. Control Solutions, Inc. provides no warranties, either expressed or implied, and assumes no

MATERIAL SAFETY DATA SHEET

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

Revision date 10-10-05, incl transportation section