

# MATERIAL SAFETY DATA SHEET

Revised: 12-02-04

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## SECTION I - IDENTIFICATION OF PRODUCT

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

**PRODUCT NAME:** Cyper EC Insecticide Concentrate      **EPA REGISTRATION NO. 53883-27**  
**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:** Mixture

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

**D.O.T. SHIPPING NAME:** Insecticide Liquid  
Other than Agriculture N.O.I.B.N.

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## SECTION II - PHYSICAL DATA

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<b>ODOR:</b>	Aromatic hydrocarbon	<b>MELTING POINT:</b>	N/E
<b>APPEARANCE:</b>	liquid	<b>PARTICLE SIZE:</b>	N/A
<b>LBS/GAL:</b>	8.24	<b>CLOUD PT:</b>	N/A
<b>COLOR (G-H):</b>	Dark amber	<b>PERCENT VOLATILE:</b>	N/E
<b>BOILING POINT:</b>	N/E	<b>EVAPORATION RATE:</b>	N/E
<b>VAPOR PRESSURE:</b>	N/E	<b>FLASH POINT:</b>	164°F
<b>VAPOR DENSITY:</b>	N/E	<b>SPECIFIC GRAVITY:</b>	1.007
<b>BULK DENSITY (FLUFFED):</b>	N/A	<b>BULK DENSITY (SETTLED):</b>	N/A
<b>REFRACTIVE INDEX:</b>	N/E	<b>pH:</b>	3.98 (1% disp)
<b>SOLUBILITY (OIL):</b>	Soluble	<b>SOLUBILITY (WATER):</b>	Emulsifiable

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## SECTION III - FIRE & EXPLOSION HAZARD DATA

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<b>FLASH POINT (METHOD USED):</b>	164°F (Setaflash)
<b>FLAMMABLE LIMIT (LOWER):</b>	N/E
<b>FLAMMABLE LIMIT (UPPER):</b>	N/E
<b>FIRE EXTINGUISHING MEDIA:</b>	Foam, carbon dioxide, dry chemical & water fog.
<b>SPECIAL PROCEDURES:</b> and	Use self contained breathing apparatus. Cool fire exposed areas equipment.
<b>UNUSUAL FIRE/EXPLOSION HAZARDS:</b>	

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## SECTION IV - HEALTH HAZARD DATA

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<b>TOXICITY CATEGORY:</b>	"WARNING" label required
<b>ORAL LD50:</b>	N/E
<b>DERMAL LD50:</b>	N/E
<b>INHALATION LD50:</b>	N/E
<b>EYE EFFECTS:</b>	Irritant
<b>SKIN EFFECTS:</b>	Irritant
<b>THRESHOLD LIMIT VALUE:</b>	N/E
<b>ADDITIONAL COMMENTS:</b>	Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing spray.

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## SECTION V - SPECIAL PROTECTION

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<b>EYE PROTECTION:</b>	Avoid contact - Wear goggles, face shield or safety glasses.
<b>SKIN PROTECTION:</b>	Avoid Contact - Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.
<b>RESPIRATORY PROTECTION:</b>	Avoid breathing spray
<b>OTHER PRECAUTIONS:</b>	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.

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## SECTION VI - COMPOSITION/INFORMATION ON INGREDIENTS

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<u>MATERIAL</u>	<u>PERCENT</u>
Cypermethrin CAS #52315-07-8 (±) a - cyano-(3-phenoxyphenyl) methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio: 45/55(±)10.	25.4%
Inert Ingredients *	74.6%

\* Contains Xylene Range Aromatic Solvent

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## SECTION VII - HAZARDOUS COMPONENTS OF MIXTURES

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<u>MATERIAL</u>	<u>PERCENT</u>
Cypermethrin CAS #52315-07-8 (±)a - cyano-(3-phenoxyphenyl) methyl (±) cis, trans-3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio: 45/55(±)10.	25.4%
Xylene Range Aromatic Solvent	

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## SECTION VIII - EMERGENCY & FIRST AID PROCEDURES

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<b>IF SWALLOWED:</b>	Do not induce vomiting. Call a physician or Poison Control Center. Do not give anything by mouth to an unconscious person.
<b>IF IN EYES:</b>	Flush eyes with plenty of water. Call a physician.
<b>IF ON SKIN:</b>	Wash with plenty of soap and water. Get medical attention if irritation persists.
<b>IF INHALED:</b>	Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention.
<b>NOTE TO PHYSICIAN:</b>	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.

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## SECTION VIII - EFFECTS OF OVER-EXPOSURE

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N/E

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## SECTION IX - SPILLAGE OR LEAKAGE PROCEDURES

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

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## SECTION X - WASTE DISPOSAL METHODS

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

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. 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 of the nearest EPA Regional Office for guidance.

**Container Disposal: Metal Containers. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.**

**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.

**Containers Less Than One Gallon:** Wrap container in several layers of newspaper and discard in trash.

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## SECTION XI - ADDITIONAL PRECAUTIONS

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**Storage:** Store product in original container and keep container closed when not in use. Do not store near food or feed. Protect from freezing

**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.

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## SECTION XII - COMMENTS

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N/E = Not Established

N/A = Not Applicable