



# SAFETY DATA SHEET

## Cyper WSP

### SECTION 1: IDENTIFICATION

**Product Name:** Cyper WSP  
**EPA Registration No.:** 53883-340  
**Recommended Use:** Insecticide; See product label for a complete list of uses and use sites.  
**Restrictions on Use:** See product label for any restrictions on the use of this product.  
**Chemical Family:** Pyrethroid  
**Chemical Name of Active Ingredient(s):** Cypermethrin  
**Manufactured for:** Control Solutions, Inc.  
 5903 Genoa-Red Bluff  
 Pasadena, TX 77507

**FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300**

**FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: Safety Call 1-866-897-8050**

### SECTION 2: HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:** Off white powder with faint odor. Causes mild but temporary eye irritation.

#### OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

|  |             |
|--|-------------|
| Acute Oral Toxicity                                | Category 4  |
| Acute Inhalation Toxicity                          | Category 4  |
| Eye Irritation                                     | Category 2B |
| Specific Target Organ Toxicity – Repeated Exposure | Category 2  |

**Signal Word:** WARNING



**Hazard Statement(s):** Harmful if swallowed  
 Harmful if inhaled  
 Causes eye irritation  
 May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statement(s):

**Prevention:** Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Do not breathe dust.  
 Use only outdoors or in a well-ventilated area.

**Response:** **IF SWALLOWED:** Call a poison center/doctor if you feel unwell. Rinse mouth.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**IF EYE IRRITATION PERSISTS:** Get medical advice/attention.  
 Get medical advice/attention if you have been exposed to the product and feel unwell.

**Storage:** No statements required.

**Disposal:** Dispose of contents/container in accordance with Federal, state and local regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                           | CAS Number  | Weight % |
|---|-------------|----------|
| Cypermethrin                            | 52315-07-8  | 40.0%    |
| Silica, amorphous, precipitated and gel | 112926-00-8 | *        |

\*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

### SECTION 4: FIRST AID MEASURES

|                     |   |
|---------------------|---|
| <b>IF IN EYES:</b>  | Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.  |
| <b>IF ON SKIN:</b>  | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.  |
| <b>IF INHALED:</b>  | Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.   |
| <b>IF INGESTED:</b> | Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |

**Most important symptoms/effects, acute and delayed:** Moderate and temporary eye irritation. Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. Treat Symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| <b>Suitable Extinguishing Media:</b>                   | Foam, dry chemical, carbon dioxide or water spray   |
| <b>Unsuitable Extinguishing Media:</b>                 | Water jet   |
| <b>Hazardous Combustion Products:</b>                  | Thermal decomposition may produce irritating and toxic gases.   |
| <b>Special Protective Equipment &amp; Precautions:</b> | Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear). |
| <b>Unusual Fire &amp; Explosion Hazards:</b>           | None known  |

### SECTION 6: ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Personal Precautions:</b>      | See Section 8 for personal protection equipment.   |
| <b>Environmental Precautions:</b> | Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.                      |
| <b>Methods for Containment:</b>   | Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Control the spill at its source. Contain the spill to prevent from |

spreading or contaminating soil or from entering sewage and drainage systems or any body of water.

**Methods for Clean-up:** Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent. Place contaminated material in appropriate container for disposal. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container.

**Other Information:** None known

**SECTION 7: HANDLING AND STORAGE**

**Handling:** RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.

This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

In general personnel handling this material and all conducting equipment should be electrically earthed or grounded. Bulk bags (FIBC) used to contain this material should be Type B, Type C or Type D. Type C bags must be electrically grounded or earthed before powder is charged to or discharged from the bag. If metal or fiber drums are used to contain this material, make certain the metal parts are bonded to the filling equipment and grounded.

**Storage:** See pesticide label for full information on product storage. Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.

**Storage Temperature (Min/Max):** Not determined

**Product Incompatibilities:** None known

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

**Exposure Guidelines:**

| COMPONENT   | OSHA PEL | ACGIH TLV | NIOSH REL |
|-------------|----------|-----------|-----------|
| None listed |          |           |           |

|                                   |  |
|-----------------------------------|--|
| <b>Engineering Controls:</b>      | Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.   |
| <b>Respiratory Protection:</b>    | In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for pesticides.   |
| <b>Eye Protection:</b>            | Chemical goggles or safety glasses and full-face shield.   |
| <b>Protective Gloves:</b>         | Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.   |
| <b>Other Protective Clothing:</b> | Long-sleeved shirt, long pants and shoes plus socks.   |
| <b>General Safety Measures:</b>   | Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. |

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                       |   |                          |
|---------------------------------|-----------------------|---|--------------------------|
| <b>Appearance:</b>              | Off-white fine powder | <b>Upper/Lower Flammability Limits:</b> | Not determined           |
| <b>Odor:</b>                    | Mild                  | <b>Vapor Pressure:</b>                  | Not determined           |
| <b>Odor Threshold:</b>          | Not determined        | <b>Vapor Density:</b>                   | Not determined           |
| <b>pH (1% dispersion):</b>      | 7.68                  | <b>Tap Density:</b>                     | 0.4729 g/cm <sup>3</sup> |
| <b>Melting /Freezing Point:</b> | Not determined        | <b>Solubility:</b>                      | Miscible in water        |
| <b>Boiling Point/Range:</b>     | Not determined        | <b>Partition Coefficient:</b>           | Not determined           |
| <b>Flash Point:</b>             | Not applicable        | <b>Auto-ignition Temperature:</b>       | Not determined           |
| <b>Evaporation Rate:</b>        | Not determined        | <b>Decomposition Temperature:</b>       | Not determined           |
| <b>Flammability:</b>            | Not applicable        | <b>Viscosity:</b>                       | Not applicable           |

#### SECTION 10: STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No hazardous chemical reactions known.                        |
| <b>Chemical Stability:</b>                 | Stable under normal storage and handling conditions.          |
| <b>Possibility of Hazardous Reactions:</b> | No potential for hazardous reactions known.                   |
| <b>Conditions to Avoid:</b>                | Dust generation, oxidizing agents                             |
| <b>Incompatible Materials:</b>             | None known  |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition may produce toxic and irritating gases. |

#### SECTION 11: TOXICOLOGICAL INFORMATION

|                                    |   |
|------------------------------------|---|
| <b>Likely Routes of Exposure:</b>  | Eye contact, Skin contact, Inhalation, Ingestion  |
| <b>Symptoms of Exposure:</b>       | Moderate and temporary eye irritation. Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. |
| <b>Oral LD<sub>50</sub>:</b>       | >985 mg/kg  |
| <b>Dermal LD<sub>50</sub>:</b>     | >5,000 mg/kg  |
| <b>Inhalation LC<sub>50</sub>:</b> | >2.04 mg/L (4-hour) No mortality observed at this concentration.  |
| <b>Eye Irritation/Damage:</b>      | Causes moderate and temporary eye irritation  |

**Skin Corrosion/Irritation:** Slightly irritating  
**Skin Sensitization:** Non-sensitizer (guinea pig)

**Chronic/Subchronic Toxicity:** Cypermethrin Technical: NOEL (2-y) for dogs 5 mg/kg, rats 7.5 mg/kg. Nervous system effects typical of pyrethroids (motor incoordination, gait abnormalities) in a range of repeated dose studies (dog and rat). Possible nerve fiber degeneration in 14-day study in rats.

An epidemiological study was conducted which included 165 precipitated silica workers who had been exposed an average time span of 8.6 years. Of these 165 workers, 44 had been exposed for an average of 18 years. No adverse effects were noted in complete medical examinations (including chest roentgenograms) of these workers

**Mutagenicity:** Cypermethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Reproductive Toxicity:** Cypermethrin caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Cypermethrin is related to parental toxicity.

**Neurotoxicity:** Cypermethrin caused neurobehavioral effects and/or neuropathological changes in animal studies.

**Target Organs:** No data available

**Aspiration Hazard:** Not anticipated to be an aspiration hazard.

**Carcinogenicity:** Cypermethrin was not carcinogenic in lifetime feeding studies in rats and mice.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
| None listed   |       |      |     |      |

## SECTION 12: ECOLOGICAL INFORMATION

### Environmental Hazards Statement from FIFRA Regulated Pesticide Label:

This pesticide is extremely toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area.

**ECOTOXICITY DATA:** Data presented below is on the cypermethrin technical product.

**Fish Toxicity:** Rainbow trout: 96-hour LC<sub>50</sub> = 0.0005 mg/L

**Aquatic Invertebrate Toxicity:** *Daphnia magna*: 96-hour EC<sub>50</sub> = 0.00011 mg/L

**Aquatic Plant Toxicity:** No data available

**Avian Toxicity:** No data available

**Honeybee Toxicity:** No data available

### ENVIRONMENTAL EFFECTS:

**Persistence and Degradability:** No data available

|                               |                   |
|-------------------------------|-------------------|
| <b>Bioaccumulation:</b>       | No data available |
| <b>Mobility:</b>              | No data available |
| <b>Other Adverse Effects:</b> | No data available |

### SECTION 13: DISPOSAL CONSIDERATIONS

|                              |  |
|------------------------------|--|
| <b>Waste Disposal:</b>       | <b>Refer to the pesticide label for full information on disposal.</b> Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used 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 in proper disposal methods. |
| <b>Container Disposal:</b>   | <b>Refer to the pesticide label for full information on disposal.</b> When possible, triple rinse the container and offer for recycling if available.  |
| <b>RCRA Characteristics:</b> | It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.  |

### SECTION 14: TRANSPORTATION INFORMATION

|                      |  |
|----------------------|--|
| <b>DOT (Ground):</b> | Not regulated  |
| <b>IMDG (Sea):</b>   | UN3077, Environmentally Hazardous Substance, Solid, N.O.S. (Cypermethrin),9, PGIII, Marine pollutant |
| <b>IATA (Air):</b>   | UN3077, Environmentally Hazardous Substance, Solid, N.O.S. (Cypermethrin),9, PGIII                   |

### SECTION 15: REGULATORY INFORMATION

**Labeling Requirements Under FIFRA:** This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin. Do not get in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**TSCA Inventory:** This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

#### SARA Title III Information:

- Section 302 – Extremely hazardous substances:** None
- Section 311/312 – Hazard Categories:** Acute (Immediate), Delayed (Chronic), Fire
- Section 313 –** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS Number | Weight % |
|---------------|------------|----------|
| None listed   |            |          |

**CERCLA** – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

| Chemical Name | CAS Number | RQ | Quantity of Finished Product |
|---------------|------------|----|------------------------------|
| None listed   |            |    |                              |

**CALIFORNIA PROPOSITION 65:**

| Chemical Name | CAS Number | Prop 65 Category(ies) |
|---------------|------------|-----------------------|
| None listed   |            |                       |

**U.S. STATE RIGHT-TO-KNOW REGULATIONS:**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Cypermethrin  |            | X             |              |

**SECTION 16: OTHER INFORMATION**

|             |                         |                       |                      |                               |
|-------------|-------------------------|-----------------------|----------------------|-------------------------------|
| <b>NFPA</b> | <b>Health Hazards 2</b> | <b>Flammability 2</b> | <b>Instability 0</b> | <b>Special Hazards – None</b> |
|-------------|-------------------------|-----------------------|----------------------|-------------------------------|

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