

# Material Safety Data Sheet

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## Section 1 General Information

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**Manufacturer:**

William Zinsser and Company, Inc.  
173 Belmont Drive  
Somerset, NJ 08875  
(732) 469-8100

**HMIS Rating**

HEALTH: 3  
FLAMMABILITY: 0  
REACTIVITY: 0

**Emergency Telephone: Chemtrec (800) 424-9300****Date: August 27, 1999****Product Name: Add-2**

Product Codes: 60505, 60507

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## Section 2 Hazardous Ingredients

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<u>Hazardous Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Chlorothalonil*	1897-45-6	N/E	N/E
Mineral Spirits	8052-41-3	500 ppm	100 ppm

\* Active ingredient

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## Section 3 Hazard Identification

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**Emergency Overview:** This material is a viscous dark gray liquid with a petroleum like odor. It has a flash point greater than 200° F. This material is used as a mildewcide additive for paints and stain and is an EPA registered pesticide.

**Primary Routes of Exposure:**

Inhalation  
Skin Contact  
Eye Contact

**Potential Acute Health Effects:**

**Eye:** Can cause moderate to severe eye irritation, depending upon the degree of exposure. Human experience has shown no evidence of permanent eye damage. Animal data indicates irreversible corneal, iridal, and conjunctival effects in rabbits.

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N/A: Not Applicable    N/D: Not Determined    N/E: Not Established    N/R: Not Required    Est.: Estimated

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**Skin:** This material is corrosive. Repeated and excessive exposure may cause skin irritation, redness, rash, or burns. May cause skin sensitization, an allergic reaction that becomes evident upon subsequent exposure to the material. This material is not readily absorbed through contact with skin.

**Ingestion:** Can cause gastrointestinal tract irritation, nausea, and central nervous system depression.

**Inhalation:** May cause respiratory tract irritation.

**Medical Conditions Prone to Aggravation by Exposure:** Preexisting skin, eye, and/or respiratory conditions.

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## Section 4 First Aid Measures

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**Eye contact:** Immediately flush eyes with plenty of water for 15 minutes. Call a physician immediately. Lift the upper and lower eyelid occasionally to ensure flushing of the entire eye surface. Get immediate medical attention, preferably from an ophthalmologist.

**Skin contact:** Immediately flush skin with plenty of soap and water for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate footwear before reuse. If needed, seek medical attention.

**Ingestion:** DO NOT induce vomiting. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

**Inhalation:** Remove to fresh air. Administer CPR if person is not breathing. Get medical attention if symptoms persist.

**Note to Physician:** Topical steroids have been effective in treatment of skin irritation.

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## Section 5 Fire Fighting Measures

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**Flash Point (method):** N/D (est. >200° F).

**Extinguishing Media:** Water spray, foam, carbon dioxide, or dry chemical.

**Unusual Fire and Explosion Hazards:** May decompose under fire conditions emitting gases and vapors (i.e. hydrogen chloride) which may be toxic and irritating to the respiratory tract. Firefighters should wear self-contained breathing apparatus and full turnout gear when fighting fires involving this material.

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## Section 6 Accidental Release Measures

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**Personal Precautions:** Wear appropriate protective clothing and eye protection.

**Clean Up Methods:** For small spills, wipe up or absorb with inert material. Place in closed, labeled containers and store in a safe place to await proper disposal. For large spills, restrict access to the contaminated area. Stop spill at the source. Contain by diking with soil or other absorbent material. Pump liquid to recovery vessel. Transfer all waste material to an appropriate container.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

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## Section 7 Handling and Storage

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**Handling:** Keep away from heat or flame. Avoid all contact with eyes. Avoid contact with skin or clothing. Wash areas immediately after contact. Remove and launder clothing.

**Storage:** Store away from food and feed. Keep out of reach of children. Store in a well-ventilated area protected from extreme temperatures. Keep container tightly closed when not in use.

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## Section 8 Exposure Controls / Personal Protection

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**Engineering Controls:** Use local mechanical ventilation capable of maintaining emissions at the point of use below applicable occupational exposure limits. An eyewash station and emergency chemical shower should be available in all areas where this material is stored.

### Personal Protective Equipment (PPE):

**Eye Protection:** Chemical splash goggles or full-face shield

**Skin Protection:** Impermeable gloves, apron, and clothing.

**Respiratory Protection:** Avoid breathing in vapors or spray mists. Do not use in confined areas without proper ventilation. Wear a NIOSH approved respirator to protect against airborne vapors and mists.

**Protective Clothing:** Impervious apron, boots, long sleeved shirts, long pants, disposable coveralls or other equipment to protect the skin.

**General Hygiene Practices:** Always wash before performing any other function (such as eating or applying cosmetics). Launder any contaminated clothing before reuse.

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## Section 9 Physical Data

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**Appearance:** Viscous dark gray liquid      **Odor:** Petroleum type odor  
**Physical State:** Liquid      **Density:** 10.9 pounds/gallon  
**Evaporation Rate:** Slower than ether.

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## Section 10 Stability and Reactivity

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**Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** Burning may produce toxic fumes.  
**Conditions to Avoid:** Heat and Open Flame  
**Incompatibility:** None known.

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## Section 11 Toxicological Information

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**Carcinogenicity:** This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

**Chlorothalonil:** Studies on rats and mice have suggested that technical chlorothalonil (97%), when fed at high levels in the diet, may have oncogenic potential to these laboratory animals. However, neither chlorothalonil nor its metabolites interact with DNA and thus are not mutagenic. Tumor formation has been related to a nongenotoxic mechanism of action for which threshold levels have been established on rats and mice. Acute oral toxicity animal studies on chlorothalonil indicate LD50 (Rat) = 4520 mg/kg. Acute dermal toxicity animal studies on chlorothalonil indicate the dermal LD50 (Rabbit) to be greater than 2,000 mg/kg and less than 20,000 mg/kg.

(See also Section 15 for related information)

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## Section 12 Ecological Information

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**Environmental Precautions:** This product is toxic to fish. Do not contaminate water while equipment or disposing of wastes. Do not contaminate streams, lakes, ponds, or other bodies of water.

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## Section 13 Disposal Considerations

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**Recommended Waste Disposal Method:** Dispose of contaminated product and materials used to clean up spills in a manner consistent with Federal, State, and local regulatory agencies. Dispose of all empty containers as directed on the label. If these wastes can not be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide formulation, or rinsate is a violation of federal law. Do not reuse empty container. Small containers (1.5 and 7.5 oz packets) should be emptied as much as possible then wrapped in several layers of newspaper and discarded in trash. Large containers (drums) should be triple rinsed and offered for recycling or reconditioning. Do not discharge effluent containing this product into streams, lakes, ponds, estuaries, bays, oceans, public waters, or other waterways.

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## Section 14 Transportation Information

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**Regulated by the US DOT:** Yes  
**DOT Proper Shipping Name:** Fungicides, N.O.I., Liquid-NMFC 102120  
**UN / NA Number:** N/A

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## Section 15 Regulatory Information

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**CERCLA:**

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
None	N/A	N/A

**SARA Title III, section 311/312:**

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
None	N/A	N/A

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**SARA Title III, section 313:**

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
Chlorothalonil	1897-45-6	52%
Mineral Spirits	8052-41-3	15%

**TSCA:**

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

**California Prop-65:**

The California Office of Environmental Health Hazard Assessment has listed Chlorothalonil as a carcinogen. An exposure assessment has determined that when this material is used as directed, the exposure and thus the risk is below the level which requires a Prop-65 warning statement.

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**Section 16 Other Information**

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- Legend:**
- N/A: Not Applicable
  - N/E: Not Established
  - STEL:** Short Term Exposure Limit
  - cps:** Centipoise
  - mppcf:** million particles per cubic foot of air.
  - PPB:** Parts Per Billion
  - Threshold Limit Value
  - ACGIH:** American Conference of Governmental Industrial Hygienists
  - CPSC:** Consumer Product Safety Commission
  - DOT:** US Department of Transportation
  - FHSA:** Federal Hazardous Substance Act
  - OSHA:** Occupational Safety and Health Administration (US Dept. of Labor)
  - RCRA:** Resource Conservation and Recovery Act
  - SARA:** Superfund Amendment and Reauthorization Act
  - Skin:** This substance has the potential to be absorbed systemically through the skin.
  - TSCA:** Toxic Substance Control Act
  - N/D: Not Determined
  - N/R: Not Required
  - C:** OSHA Ceiling Value
  - mg/m<sup>3</sup>:** milligrams per cubic meter
  - PPM:** Parts Per Million
  - PEL:** Permissible Exposure Limit
  - TWA:** Time Weighted Average
  - TLV:**

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### **HMIS Key**

- 4 = Severe Hazard
- 3 = Serious Hazard
- 2 = Moderate Hazard
- 1 = Slight Hazard
- 0 = Minimal Hazard

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**Disclaimer:** William Zinsser Company, Inc. believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

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