

# CORTES™ MAXX INSECTICIDE

## SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

### 1. IDENTIFICATION

**PRODUCT NAME:** Cortes Maxx Insecticide  
**DESCRIPTION:** Liquid insecticide  
**EPA REG. NO.:** 91234-273  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

May cause an allergic skin reaction (H317)  
Suspected of causing cancer (H351)  
May cause damage to organs through prolonged or repeated exposure (H373)  
Causes skin irritation (H315)  
Causes serious eye irritation (H319)  
May cause respiratory irritation, drowsiness, or dizziness (H335+H336)  
Harmful if swallowed or inhaled (H302+H332)  
Combustible liquid (H227)  
Very toxic to aquatic life with long lasting effects (H400+H410)



#### HAZARD CLASSIFICATION

| Health Hazards                                     | Category | Physical Hazards                                 | Category        |
|--|----------|--|-----------------|
| Skin sensitization                                 | 1B       | Flammable liquid                                 | 4               |
| Carcinogenicity                                    | 2        |  |                 |
| Specific target organ toxicity (repeated exposure) | 2        | <b>Environmental Hazards</b>                     | <b>Category</b> |
| Skin corrosion/irritation                          |          | Hazardous to the aquatic environment, short-term | 1               |
| Serious eye damage/ eye irritation                 | 2A       | Hazardous to the aquatic environment, long-term  | 1               |
| Specific target organ toxicity (single exposure)   | 3        |  |                 |
| Acute toxicity, oral                               | 4        |  |                 |
| Acute toxicity, inhalation                         | 4        |  |                 |

#### HAZARDS NOT REQUIRING CLASSIFICATION

Do not use or store near heat or open flame.

#### PRECAUTIONARY STATEMENTS

Obtain, read and follow all safety instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe mist/spray. Wash hands and exposed skin thoroughly after handling. Do not touch eyes. Do not eat drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection.

(P203+P210+P260+P264+P265+P270+P271+P272+P280)

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs: Get medical help. Specific treatment (see Section 4 of this document). Take off contaminated clothing and wash it before reuse.

(P302+P352+P333+P317+P321+P362+P364)

**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 help. (P305+P351+P338+P337+P317)

IF exposed or concerned, get medical advice. Get medical help if you feel unwell. (P318+P319)

**IF SWALLOWED:** Get medical help. Rinse mouth. (P301+P317+P330)

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Get medical help. (P304+P340+P317)

In case of fire: Use extinguishing mediums listed in section 5 of this document. (P370+P378)

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Store in a well-ventilated place. Store locked up. (P403+P405)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Common Name                         | Chemical Name  | CAS #      | Composition |
|-------------------------------------|--|------------|-------------|
| Zeta-cypermethrin                   | Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester | 52315-07-8 | 9.15%       |
| Naphtha (petroleum), heavy aromatic | Solvent naphtha (petroleum), heavy aromatic  | 64742-94-5 | 50-60%      |
| 1-Methylnaphthalene                 | Naphthalene, 1-methyl-   | 90-12-0    | 5-10%       |
| Naphthalene                         | Naphthalene  | 91-20-3    | 5-10%       |
| 2-Methylnaphthalene                 | Naphthalene, 2-methyl-   | 91-57-6    | <15%        |
| Acetophenone                        | Ethanone, 1-phenyl-  | 98-86-2    | 10-20%      |

**NOTE:** Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a 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.

## 4. FIRST AID MEASURES (CONT.)

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air and keep comfortable for breathing. 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.

**NOTE TO PHYSICIAN:** Contains petroleum distillate. Induced 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. Skin exposure may also result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2 to 30 hours, without damage.

## 5. FIREFIGHTING MEASURES

**Flash Point:** 194°F; 90°C

**Flammable Limits (LFL-UFL):** Not determined.

**Fire and Explosion Hazards:** Not determined.

**Extinguishing Medium:** Foam, carbon dioxide (CO<sub>2</sub>), Dry chemical, soft stream, or water fog only if necessary.

**Fire Fighting Equipment:** Firefighters should wear full protective clothing and NIOSH approved self-contained breathing apparatus.

**Fire Fighting Instructions:** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

**Hazardous Combustion Products:** None known.

**NFPA Ratings:** Health – 2 / Flammability – 1 / Reactivity - 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Spill Cleanup:** Dike spill using suitable absorbent or impervious materials such as sand or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**Storage:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

| Chemical Name                         | ACGIH TLV                        | OSHA PEL   | NIOSH  | Mexico  |
|---------------------------------------|----------------------------------|--|--|---|
| 1-Methylnaphthalene (CAS No. 90-12-0) | TWA: 0.5 ppm                     | -  | -  | -   |
| Naphthalene (CAS No. 91-20-3)         | TWA: 10 ppm                      | TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup>   | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL 75 mg/m <sup>3</sup> | -   |
| 2-Methylnaphthalene (CAS No. 91-57-6) | TWA: 0.5 ppm                     | -  | -  | -   |
| Acetophenone (CAS No. 98-86-2)        | TWA: 10 ppm                      | -  | -  | -   |
| Chemical Name                         | British Columbia                 | Quebec   | Ontario TWA EV   | Alberta   |
| 1-Methylnaphthalene (CAS No. 90-12-0) | TWA: 0.5 ppm skin                | -  | TWA: 0.5 ppm skin  | -   |
| Naphthalene (CAS No. 91-20-3)         | TWA: 10 ppm<br>STEL: 15 ppm skin | TWA: 10 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 79 mg/m <sup>3</sup> | TWA: 10 ppm<br>STEL: 15 ppm skin   | TWA: 10 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 79 mg/m <sup>3</sup> skin |
| 2-Methylnaphthalene (CAS No. 91-57-6) | TWA: 0.5 ppm skin                | -  | TWA: 0.5 ppm skin  | -   |
| Acetophenone (CAS No. 98-86-2)        | TWA: 10 ppm                      | TWA: 10 ppm<br>TWA: 49 mg/m <sup>3</sup>   | TWA: 10 ppm  | TWA: 10 ppm<br>TWA: 49 mg/m <sup>3</sup>  |

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Ensure adequate ventilation.

**Protective Clothing:** Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves: barrier laminate, or viton > 14 mils, shoes plus socks, protective eyewear such as goggles, face shield, or safety glasses.

**General:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                               |
|---|-------------------------------|
| <b>Appearance:</b>                        | transparent dark amber liquid |
| <b>Odor:</b>                              | strong aromatic               |
| <b>Melting/freezing point:</b>            | not available                 |
| <b>Boiling point/Boiling range:</b>       | not available                 |
| <b>Flammability:</b>                      | 194°F; 90°C                   |
| <b>Flammability limits (upper/lower):</b> | not available                 |
| <b>Flash point:</b>                       | 194°F; 90°C                   |
| <b>Auto-ignition temperature:</b>         | not available                 |
| <b>Decomposition temperature:</b>         | not available                 |
| <b>pH:</b>                                | 4.5-5.5                       |
| <b>Dynamic viscosity:</b>                 | not available                 |
| <b>Kinematic viscosity:</b>               | not available                 |
| <b>Solubility:</b>                        | not available                 |
| <b>Partition coefficient:</b>             | not available                 |
| <b>Vapor pressure:</b>                    | not available                 |
| <b>Density:</b>                           | 8-9 lb/gal                    |
| <b>Relative vapor density:</b>            | not available                 |
| <b>Particle characteristics:</b>          | not available                 |

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Excessive heat.

**CHEMICAL STABILITY:** Stable under recommended storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** No incompatible materials known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides (CO<sub>x</sub>), Hydrogen cyanide, hydrogen chloride, chlorine.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

**ORAL TOXICITY (rat LD<sub>50</sub>):** 310 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** >2.03 mg/L (4-hr)

**EYE IRRITATION:** Severely irritating (Rabbit)

**SKIN IRRITATION:** Moderately irritating (Rabbit)

**SKIN SENSITIZATION:** Sensitizer (Guinea pig)

**CARCINOGENICITY:**

**EPA:** Group C – Possible human carcinogen (cypermethrin)

**ACGIH:** Not Listed

**IARC:** Group 2A (naphthalene)

**NTP:** Reasonable anticipated (naphthalene)

**OSHA:** Listed (naphthalene)

**CHRONIC TOXICITY:** Long-term exposure caused neurotoxicity (body tremors, decreased motor activity), decreased body weight and increased liver weight. (zeta-cypermethrin)

**SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE:** May cause respiratory irritation. (zeta-cypermethrin)

**SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE:** May cause damage to organs (central nervous system) through prolonged or repeated exposure. (zeta-cypermethrin)

**MUTAGENIC TOXICITY:** Not genotoxic in laboratory studies.

**NEUROLOGICAL EFFECTS:** Causes neurotoxicity (tremors and decreased motor activity) following acute, sub chronic or chronic exposure.

**REPRODUCTIVE TOXICITY:** No toxicity to reproduction in animal studies.

## 12. ECOLOGICAL INFORMATION

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp.

The following information is for the active ingredient, Zeta-cypermethrin:

### AQUATIC TOXICITY

Fish (Rainbow Trout) (96-hour LC<sub>50</sub>): 0.039 mg/L

Sheepshead minnow (96-hours LC<sub>50</sub>): 0.00095 mg/L

Fathead minnow (30-days NOAEC): 0.00014 mg/L

Amphipod (96-hours LC<sub>50</sub>): 0.0000036 mg/L

Mysid shrimp (96-hour LC<sub>50</sub>): 0.00000475 mg/L; (NOAEC): 0.000781 µg a.i./L

Algae (72-hour EC<sub>50</sub>): > 1 mg/L

### AVIAN TOXICITY

Bobwhite quail (Single oral dose LD<sub>50</sub>): >2,000 mg/kg

Mallard duck (5-day dietary LC<sub>50</sub>): > 2,634 mg/kg

### OTHER TOXICITY

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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:** Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

**US-DOT:**

**Container ≤ 119 Gal (450 liters):**

Not regulated

**Containers ≥ 119 Gal (450 liters):**

NA1993, Combustible liquid, N.O.S. (contains Naphtha, heavy aromatic), PG III

**IMDG:**

**Containers ≤ 1.3 gal. (5 L) in strong outer packaging:**

Not regulated

**Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:**

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains zeta-cypermethrin), 9, PG III, Marine Pollutant

**IATA:**

Shipped by air:

UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains zeta-cypermethrin), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

**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. The following is the hazard information as required on the pesticide label:

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Contains Petroleum Distillate. May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

## 15. REGULATORY INFORMATION (CONT.)

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

### NON-TARGET ORGANISM ADVISORY STATEMENT:

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

### Physical/Chemical Hazards

Do not use or store near heat or open flame. Do not mix or allow to come in contact with any oxidizing agent. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

### SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

### SARA Title III – Section 311/312 Hazard Categories

Immediate (Acute), Delayed (Chronic)

### SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

### SARA Title III – Section 313 Reportable Ingredients

Naphthalene (CAS No. 91-20-3): 5-10%


Acetophenone (CAS No. 98-86-2) : 10-20%

### CERCLA Reportable Quantity (RQ) –

Naphthalene (CAS No. 91-20-3): 5-10%: 100 lbs.

Acetophenone (CAS No. 98-86-2) : 10-20%: 5,000 lbs.

### CALIFORNIA PROP 65 STATUS –

 **WARNING:** This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

Effective Date: 03/08/2023