

# Cryptoid<sup>TM</sup> XL

## Safety Data Sheet

US Hazard Communication Standard 2024 (29 CFR 1910.1200)

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### SECTION 1: Identification

#### Product Identifier

**Product Name:** Cryptoid XL

**Product code:** EPA Reg. No.: 91234-295

**Recommended Use of the Chemical and Restrictions on Use:**

**Recommended Uses:** Liquid insecticide

**Restrictions on Use:** Any use other than specified above

#### Manufacturer or Supplier Details

**Manufacturer:**

**United States**

Atticus, LLC

940 NW Cary Parkway

Suite 200

Cary, North Carolina 27513

(984) 465-4754

#### Emergency Telephone Number:

**For Chemical Emergency**

CHEMTREC

1-800-424-9300 (24 hours)

+1-703-527-3887 (24 hours)

Collect calls accepted

**For Emergency Medical Treatment Information**

SAFETYCALL

1-844-685-9173 (24 hours)



### SECTION 2: Hazard Identification

#### Classification of the chemical in accordance with paragraph (d) of § 1910.1200:

Flammable liquids, category 4

Acute toxicity (inhalation), category 3

Acute toxicity (oral), category 4

Skin irritation, category 2

Eye irritation, category 2A

Skin sensitization, category 1B

Carcinogenicity, category 2

Reproductive toxicity. Effects on or via lactation

Specific target organ toxicity - single exposure, category 2

Specific target organ toxicity - single exposure, category 3, respiratory tract irritation

Specific target organ toxicity - repeated exposure, category 2

Aspiration hazard, category 1

Acute aquatic hazard, category 1

Chronic aquatic hazard, category 1

#### Label elements

**Hazard Symbol(s):**

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**Signal Word:** Danger

**Hazard statement(s):**

H227 Combustible liquid  
H331 Toxic if inhaled  
H302 Harmful if swallowed  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H317 May cause an allergic skin reaction  
H351 Suspected of causing cancer  
H362 May cause harm to breast-fed children  
H371 May cause damage to organs.  
H335 May cause respiratory irritation  
H373 May cause damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

**Precautionary Statement(s):**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves, protective clothing and eye protection.  
P260 Do not breathe mist, vapours or spray.  
P263 Avoid contact during pregnancy/while nursing.  
P264 Wash any exposed skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P370+P378 In case of fire: Use agents recommended in Section 5 for extinction.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P308+P311 If exposed: Call a poison center/doctor.  
P314 Get medical advice/attention if you feel unwell.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P311 Call a poison center/doctor.  
P321 Specific treatment (see Sections 4-8 of this SDS and any supplemental information on the product label).  
P312 Call a poison center/doctor if you feel unwell.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P331 Do NOT induce vomiting.  
P330 Rinse mouth.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P391 Collect spillage.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents and container in accordance with federal, state and local regulations.

**Hazards Not Otherwise Classified:** None

### SECTION 3: Composition/Information on Ingredients

| Identification              | Name                                     | Weight % |
|-----------------------------|------------------------------------------|----------|
| CAS Number:<br>1820573-27-0 | Beta-cyfluthrin                          | 12.7     |
| CAS Number:<br>108-94-1     | Cyclohexanone                            | 18-25    |
| CAS Number:<br>91-57-6      | 2-Methylnaphthalene                      | 10-20    |
| CAS Number:<br>91-20-3      | Naphthalene                              | 7-13     |
| CAS Number:<br>90-12-0      | 1-Methylnaphthalene                      | 5-10     |
| CAS Number:<br>64742-94-5   | Solvent naphtha (petroleum), heavy arom. | 1-5      |
| CAS Number:<br>57-55-6      | Propane-1,2-diol                         | 0.1-1    |

#### Additional information:

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

### SECTION 4: First Aid Measures

#### Description of Necessary Measures

##### General Notes:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For Chemical Emergency: spill, leak, fire, exposure or accident, call CHEMTREC day or night within USA and Canada at 1-800-424-9300 or +1-703-527-3887 (collect calls accepted) Show this Safety Data Sheet to the doctor in attendance. This product is toxic by one or more routes of exposure (inhalation, ingestion, skin contact). Take precautions to ensure your own safety before attempting rescue. Wear appropriate safety eyewear, gloves, protective clothing and respiratory protection to prevent exposure. See Section 8 of this SDS for personal protective equipment recommendations. Do not use the mouth to mouth method if victim has ingested or inhaled the product. Give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper device

##### After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

##### After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

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#### After Eye Contact:

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

#### After Ingestion:

This product presents an aspiration hazard. If aspiration is suspected, seek emergency medical treatment. If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

#### Most Important Symptoms and Effects, Both Acute and Delayed

##### Acute Symptoms and Effects:

Product is combustible. Exposure to sources of ignition may cause physical injury  
May cause damage to organs. Effects are dependent on exposure (dose, concentration, contact time)  
Inhalation may have adverse effects on the respiratory tract. Symptoms may include cough, breathing difficulties, sore throat and inflammation of the mucous membrane lining the respiratory tract

May be fatal if swallowed and enters airways. Aspiration may cause pulmonary edema and pneumonitis. Symptoms may include shortness of breath, dry cough and irritation of the nose, eyes, lips, mouth and throat

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing

Acute oral exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time)

Acute inhalation exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time)

Skin contact may result in redness, pain, burning and inflammation

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis

##### Delayed Symptoms and Effects:

Suspected of causing cancer. Effects are dependent on exposure (dose, concentration, contact time)

Long term exposure may cause harm to breast-fed children

May cause damage to organs through prolonged or repeated exposure. Effects are dependent on exposure (dose, concentration, contact time)

Symptoms of pulmonary edema may be delayed

Symptoms of exposure may be delayed

Effects are dependent on exposure (dose, concentration, contact time)

#### Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

##### Immediate Medical Attention:

Skin/eye burns require immediate treatment

If exhibiting symptoms of exposure, seek prompt medical attention

If respiratory symptoms persist, seek medical attention

##### Special Treatment:

No additional information.

##### Notes for the Doctor:

Treat symptomatically

### SECTION 5: Firefighting Measures

#### Extinguishing Media

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#### **Suitable Extinguishing Media:**

Dry chemical, CO2, water spray or alcohol-resistant foam

#### **Unsuitable Extinguishing Media:**

Do not use water jet

#### **Specific Hazards Arising From The Chemical:**

Combustible liquid. Will be easily ignitable by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation

#### **Special Protective Equipment and Precautions for Fire-Fighters**

##### **Special Protective Equipment:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode

##### **Special precautions**

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 300 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Fight fire from a maximum distance. Move containers from fire area if you can do it without risk. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Stand by, at a safe distance, with extinguisher ready for possible re-ignition. A vapor-suppressing foam may be used to reduce vapors. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so

### SECTION 6: Accidental Release Measures

#### **Personal Precautions, Protective Equipment, and Emergency Procedures:**

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. All equipment used when handling the product must be grounded. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling

#### **Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided

#### **Methods and Material for Containment and Cleaning Up:**

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. A vapor-suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for future disposal. Dispose of in accordance with all applicable regulations (see Section 13)

### SECTION 7: Handling and Storage

#### **Precautions for Safe Handling:**

Toxic if inhaled. Do not handle material unless wearing appropriate personal protective equipment, including respiratory protection (see Section 8). Use only with adequate ventilation. Do not breathe mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Open container slowly to prevent dispersal of material into the air. Prevent contact with skin, eyes and clothing. Handle with caution. Do not handle broken or punctured containers. Immediately

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report spills, leaks or problems with hazard control measures. Wash thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

#### Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight and away from exit paths. Inspect containers and storage area regularly for signs of leak and damage. Store containers at a convenient height for handling, below eye level if possible. High shelving increases the risk of dropping containers, personal injury and exposure. Ensure that appropriate fire fighting and spill-clean up equipment is readily available. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Store separately. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

### SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

#### Occupational Exposure Limit Values:

| Country (Legal Basis)     | Substance                                | Identifier   | Permissible concentration                                                                                             |
|---------------------------|------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------|
| United States             | Beta-cyfluthrin                          | 1820573-27-0 | TWA: 0.01 mg/m <sup>3</sup> (Industry)                                                                                |
|                           | 2-Methylnaphthalene                      | 91-57-6      | STEL: 75 mg/m <sup>3</sup> (Skin [ExxonMobil])                                                                        |
|                           | 1-Methylnaphthalene                      | 90-12-0      | STEL: 75 mg/m <sup>3</sup> (Skin [ExxonMobil])                                                                        |
| OSHA                      | Solvent naphtha (petroleum), heavy arom. | 64742-94-5   | 8-Hour TWA-PEL: 5 mg/m <sup>3</sup> (Oil Mists, Mineral)                                                              |
|                           | Naphthalene                              | 91-20-3      | TWA: 10 ppm (50 mg/m <sup>3</sup> (PEL))                                                                              |
|                           | Naphthalene                              | 91-20-3      | STEL: 15 ppm (75 mg/m <sup>3</sup> )                                                                                  |
|                           | Cyclohexanone                            | 108-94-1     | TWA: 50 ppm (Skin)                                                                                                    |
| NIOSH                     | Solvent naphtha (petroleum), heavy arom. | 64742-94-5   | REL-TWA: 5 mg/m <sup>3</sup> (Oil Mists, Mineral [up to 10 hr])                                                       |
|                           | Solvent naphtha (petroleum), heavy arom. | 64742-94-5   | IDLH: 2500 mg/m <sup>3</sup> (Oil Mists, Mineral)                                                                     |
|                           | Naphthalene                              | 91-20-3      | IDLH: 250 ppm                                                                                                         |
|                           | Naphthalene                              | 91-20-3      | TWA: 10 ppm (50 mg/m <sup>3</sup> )                                                                                   |
|                           | Naphthalene                              | 91-20-3      | STEL: 15 ppm (75 mg/m <sup>3</sup> )                                                                                  |
|                           | Cyclohexanone                            | 108-94-1     | TWA: 25 ppm (Skin)                                                                                                    |
| ACGIH                     | Solvent naphtha (petroleum), heavy arom. | 64742-94-5   | 8-Hour TWA: 5 mg/m <sup>3</sup> (Oil Mists, Mineral; Pure, highly and severely refined; inhalable particulate matter) |
|                           | Naphthalene                              | 91-20-3      | TWA: 10 ppm                                                                                                           |
|                           | Cyclohexanone                            | 108-94-1     | TLV-TWA: 20 ppm (Eye & upper respiratory tract)                                                                       |
|                           | Cyclohexanone                            | 108-94-1     | STEL: 50 ppm (Eye & upper respiratory tract)                                                                          |
|                           | 2-Methylnaphthalene                      | 91-57-6      | TWA: 0.5 ppm (Skin)                                                                                                   |
|                           | 1-Methylnaphthalene                      | 90-12-0      | TWA: 0.5 ppm (Skin)                                                                                                   |
| United States(California) | Solvent naphtha (petroleum), heavy arom. | 64742-94-5   | 8-Hour TWA: 5 mg/m <sup>3</sup> (Oil Mists, Mineral)                                                                  |
|                           | Naphthalene                              | 91-20-3      | PEL: 0.1 ppm (0.5 mg/m <sup>3</sup> )                                                                                 |
| WEEL                      | Propane-1,2-diol                         | 57-55-6      | 8-Hour TWA: 10 mg/m <sup>3</sup>                                                                                      |

#### Biological Limit Values:

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| Country (Legal Basis) | Substance   | Identifier | Determinant                                                                            | Specimen | Sampling time | Permissible limits |
|-----------------------|-------------|------------|----------------------------------------------------------------------------------------|----------|---------------|--------------------|
| ACGIH                 | Naphthalene | 91-20-3    | 1-Naphthol, with hydrolysis + 2-Naphthol, with hydrolysis nonquantitative, nonspecific | None     | EOS           |                    |

#### Information on Monitoring Procedures:

Not determined or not applicable.

#### Appropriate Engineering Controls:

Toxic if inhaled. Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

#### Individual Protection Measures, Such as Personal Protective Equipment

##### Eye and Face Protection:

Use safety glasses with side shields or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

##### Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

##### Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

#### General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

### SECTION 9: Physical and Chemical Properties

#### Information on Basic Physical and Chemical Properties

|                                    |                                  |
|------------------------------------|----------------------------------|
| Physical state                     | Liquid                           |
| Color                              | Straw yellow                     |
| Odor (includes odor threshold)     | Moderately aromatic              |
| Melting point/freezing point       | Not determined or not available. |
| Initial boiling point/range        | Not determined or not available. |
| Flammability                       | Not determined or not available. |
| Upper flammability/explosive limit | Not determined or not available. |
| Lower flammability/explosive limit | Not determined or not available. |
| Flash point                        | 152 °F (67 °C)                   |

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|                                            |                                        |
|--------------------------------------------|----------------------------------------|
| Auto-ignition temperature                  | Not determined or not available.       |
| Decomposition temperature                  | Not determined or not available.       |
| pH                                         | 4.5 - 5.5                              |
| Kinematic viscosity                        | 4.25 mm <sup>2</sup> /s                |
| Solubilities                               | Not determined or not available.       |
| Partition coefficient (n-octanol/water)    | Not determined or not available.       |
| Vapor pressure (includes evaporation rate) | Not determined or not available.       |
| Density and/or relative density            | 7.87 lb/gal (0.943 g/cm <sup>3</sup> ) |
| Relative vapor density                     | Not determined or not available.       |
| Particle characteristics                   | Not determined or not available.       |

#### Other Information

No additional information.

### SECTION 10: Stability and Reactivity

#### Reactivity:

Not reactive under recommended handling and storage conditions.

#### Chemical Stability:

Stable under recommended handling and storage conditions.

#### Possibility of hazardous reactions, including those associated with foreseeable emergencies:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

#### Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources, static electricity and incompatible materials. Vapor accumulation in low or confined areas.

#### Incompatible Materials:

Oxidizing agents

#### Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological Information

#### Acute Toxicity

##### Assessment:

Harmful if swallowed.

Toxic if inhaled.

##### Product Data:

| Route      | Result                     |
|------------|----------------------------|
| Oral       | LD50 Rat: 647 - 695 mg/kg  |
| Dermal     | LD50 Rabbit: > 2,000 mg/kg |
| Inhalation | LC50 Rat: 0.7 mg/L (4 hr)  |

##### Substance Data:

| Name            | Route      | Result                              |
|-----------------|------------|-------------------------------------|
| Beta-cyfluthrin | oral       | LD50 Rat: 211 - 343 mg/kg           |
|                 | dermal     | LD50 Rat: > 5,000 mg/kg             |
|                 | inhalation | LC50 Rat: 0.082 - 0.532 mg/L (4 hr) |

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| Name                                     | Route      | Result                               |
|------------------------------------------|------------|--------------------------------------|
| Solvent naphtha (petroleum), heavy arom. | oral       | LD50 Rat: >5000 mg/kg                |
|                                          | dermal     | LD50 Rabbit: >2000 mg/kg             |
|                                          | inhalation | LC50 Rat: >5.28 mg/L (4 hr [Vapor])  |
| Naphthalene                              | oral       | LD50 Mouse: 533 mg/kg                |
|                                          | dermal     | LD50 Rat: >2500 mg/kg                |
|                                          | inhalation | LC50 Rat: >0.4 mg/L (4 hr [Vapor])   |
| Cyclohexanone                            | oral       | LD50 Rat: 1,535 mg/kg                |
|                                          | dermal     | LD50 Rabbit: 948 mg/kg               |
| 2-Methylnaphthalene                      | oral       | LD50 Rat: 1,630 mg/kg                |
| 1-Methylnaphthalene                      | oral       | LD50 Rat: 1,840 mg/kg                |
| Propane-1,2-diol                         | oral       | LD50 Rat: 22,000 mg/kg               |
|                                          | dermal     | LD50 Rabbit: >2000 mg/kg             |
|                                          | inhalation | LC50 Rat: > 44.9 mg/L (4hr [vapour]) |

### Skin Corrosion/Irritation

#### Assessment:

Causes skin irritation.

#### Product Data:

No data available.

#### Substance Data:

| Name            | Result                          |
|-----------------|---------------------------------|
| Beta-cyfluthrin | Very slight irritation (rabbit) |
| Cyclohexanone   | Irritating                      |

### Serious Eye Damage/Irritation

#### Assessment:

Causes serious eye irritation.

#### Product Data:

Severe eye irritation (rabbit)

#### Substance Data:

| Name            | Result                     |
|-----------------|----------------------------|
| Beta-cyfluthrin | Slight irritation (rabbit) |
| Cyclohexanone   | Irritating                 |

### Respiratory or Skin Sensitization

#### Assessment:

May cause an allergic skin reaction.

#### Product Data:

Skin sensitizing (guinea pig)

#### Substance Data:

| Name            | Result                   |
|-----------------|--------------------------|
| Beta-cyfluthrin | Not a contact sensitizer |

### Carcinogenicity

#### Assessment:

Suspected of causing cancer.

**Product Data:** No data available.

#### Substance Data:

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| Name            | Species | Result                                       |
|-----------------|---------|----------------------------------------------|
| Beta-cyfluthrin |         | EPA: Not likely to be carcinogenic to humans |
| Naphthalene     |         | Suspected of causing cancer.                 |

#### International Agency for Research on Cancer (IARC):

| Name                                     | Classification |
|------------------------------------------|----------------|
| Solvent naphtha (petroleum), heavy arom. | Not Applicable |
| Naphthalene                              | Group 2B       |
| Cyclohexanone                            | Group 3        |
| Propane-1,2-diol                         | Not Applicable |

#### National Toxicology Program (NTP):

| Name                                     | Classification                                 |
|------------------------------------------|------------------------------------------------|
| Solvent naphtha (petroleum), heavy arom. | Not Applicable                                 |
| Naphthalene                              | Reasonably anticipated to be human carcinogens |
| Propane-1,2-diol                         | Not Applicable                                 |

#### OSHA Carcinogens:

| Ingredient Name | CAS     | OSHA Carcinogens Status |
|-----------------|---------|-------------------------|
| Naphthalene     | 91-20-3 | Yes                     |

#### Germ Cell Mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

##### Product Data:

No data available.

##### Substance Data:

| Name            | Result                                                               |
|-----------------|----------------------------------------------------------------------|
| Beta-cyfluthrin | No evidence of mutagenic effects during in vivo and in vitro assays. |

#### Reproductive Toxicity

##### Assessment:

May cause harm to breast-fed children.

##### Product Data:

No data available.

##### Substance Data:

| Name            | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beta-cyfluthrin | Beta-Cyfluthrin 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 Beta-Cyfluthrin is related to parental toxicity. Beta-Cyfluthrin is classified as reproductive toxicant in category for effects via lactation, mainly based on coarse tremors in pups of the 2-generation study. As a mechanism study for ocular effects in rat pups suggested possible adverse effect via milk, the active ingredient was classified with an additional category for effects on or via lactation. |

#### Specific Target Organ Toxicity (Single Exposure)

##### Assessment:

May cause damage to organs.

May cause respiratory irritation.

##### Product Data:

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No data available.

#### Substance Data:

| Name            | Result                                   |
|-----------------|------------------------------------------|
| Beta-cyfluthrin | Causes damage to organs (Nervous system) |
| Cyclohexanone   | May irritate respiratory tract           |

#### Specific Target Organ Toxicity (Repeated Exposure)

##### Assessment:

May cause damage to organs through prolonged or repeated exposure.

##### Product Data:

No data available.

##### Substance Data:

| Name            | Result                                                                                               |
|-----------------|------------------------------------------------------------------------------------------------------|
| Beta-cyfluthrin | Toxic effects are related to transient neurobehavioral effects typical for pyrethroid neurotoxicity. |

#### Aspiration toxicity

##### Assessment:

May be fatal if swallowed and enters airways.

##### Product Data:

No data available.

##### Substance Data:

| Name                                     | Result                                        |
|------------------------------------------|-----------------------------------------------|
| Solvent naphtha (petroleum), heavy arom. | May be fatal if swallowed and enters airways. |

#### Information on Likely Routes of Exposure:

No data available.

#### Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

#### Interactive effects:

No additional information.

#### Other Information:

Information in this section is provided from a similar formulation.

### SECTION 12: Ecological Information

#### Ecotoxicity

##### Acute (Short-Term) Toxicity

##### Assessment:

Very toxic to aquatic life.

##### Product Data:

##### Substance Data:

| Name            | Result                                                            |
|-----------------|-------------------------------------------------------------------|
| Beta-cyfluthrin | Fish LC50 Rainbow trout: 0.089 mg/L (96 hr)                       |
|                 | Fish LC50 Bluegill sunfish: 0.028 mg/L (96 hr)                    |
|                 | Aquatic Invertebrates LC50 Daphnia: 0.00029 - 0.0018 mg/L (48 hr) |

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| Name                                     | Result                                                                                            |
|------------------------------------------|---------------------------------------------------------------------------------------------------|
| Solvent naphtha (petroleum), heavy arom. | Fish LC50 Oncorhynchus mykiss: 2 - 5 mg/L (96 hr)                                                 |
|                                          | Aquatic Invertebrates EC50 Daphnia magna: 0.3 mg/L (48 hr [mobility; Read-across substance data]) |
|                                          | Aquatic Plants EC50 Raphidocelis subcapitata: 1 - 3 mg/L (72 hr [cell number])                    |
| Naphthalene                              | Aquatic Plants EC50 Skeletonema costatum: 0.4 - 0.5 mg/L (72 hr [biomass])                        |
|                                          | Fish LC50 Oncorhynchus mykiss: 1.6 mg/L (96 hr)                                                   |
|                                          | Aquatic Invertebrates EC50 Daphnia magna: 2.16 mg/L (48 hr [mobility])                            |
| Propane-1,2-diol                         | Fish LC50 Oncorhynchus mykiss: 51,600 mg/L (96 hr)                                                |
|                                          | Aquatic Plants EC50 Raphidocelis subcapitata: 19000 mg/L (96 hr [growth rate])                    |
|                                          | Aquatic Invertebrates EC50 Daphnia magna: 43,500 mg/L (48 hr [Immobilisation])                    |

### Chronic (Long-Term) Toxicity

#### Assessment:

Very toxic to aquatic life with long lasting effects.

**Product Data:** No data available.

#### Substance Data:

| Name                                     | Result                                                                                                 |
|------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Solvent naphtha (petroleum), heavy arom. | Fish NOEC Oncorhynchus mykiss: 0.098 mg/L (28 d [mortality, QSAR substance data])                      |
|                                          | Aquatic Invertebrates NOEC Daphnia magna: 0.48 mg/L (21 d [reproduction, Read-across substance data])  |
|                                          | Aquatic Plants NOEC Raphidocelis subcapitata: 4 mg/L (72 hr [growth rate; read-across substance data]) |
| Naphthalene                              | Fish NOEC Oncorhynchus kisutch: 0.37 mg/L (40 d [growth rate])                                         |
|                                          | Aquatic Invertebrates NOEC Daphnia pulex: 0.59 mg/L (125 d [mortality])                                |
| Propane-1,2-diol                         | Aquatic Invertebrates NOEC Ceriodaphnia sp.: 13,020 mg/L (7 d [reproduction])                          |

### Persistence and Degradability

**Product Data:** No data available.

#### Substance Data:

| Name                                     | Result                                                                                                         |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Beta-cyfluthrin                          | Not rapidly biodegradable                                                                                      |
| Solvent naphtha (petroleum), heavy arom. | Standard biodegradability studies are not applicable to petroleum UVCB substances.                             |
| Naphthalene                              | The substance is readily biodegradable. > 74% degradation in water, measured by O2 consumption, after 28 days. |
| Cyclohexanone                            | Readily biodegradable (Biodegradation: > 60%)                                                                  |
| Propane-1,2-diol                         | The substance is readily biodegradable. 81.7% degradation in water, measured by CO2 evolution, after 28 days.  |

### Bioaccumulative Potential

**Product Data:** No data available.

#### Substance Data:

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| Name                                     | Result                                                                                                    |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Beta-cyfluthrin                          | Does not bioaccumulate.                                                                                   |
| Solvent naphtha (petroleum), heavy arom. | Standard bioaccumulation studies are not applicable to petroleum UVCB substances.                         |
| Naphthalene                              | The substance has the potential to bioaccumulate (BCF= 36.5 - 168 dimensionless, basis- whole body w.w.). |
| Propane-1,2-diol                         | The substance is not expected to bioaccumulate (BCF: 0.09).                                               |

#### Mobility in Soil

**Product Data:** No data available.

##### Substance Data:

| Name                                     | Result                                                                                                            |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Beta-cyfluthrin                          | Beta-Cyfluthrin is classified as an immobile compound in soils.                                                   |
| Solvent naphtha (petroleum), heavy arom. | Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.                           |
| Naphthalene                              | The substance is moderately mobile, therefore, moderate adsorption to soil is expected (Koc =455 at 20 °C).       |
| Propane-1,2-diol                         | The substance is highly mobile, therefore, adsorption to soil and sediment is not expected (calculated Koc: 2.9). |

#### Results of PBT and vPvB assessment

##### Product Data:

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

##### Substance Data:

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

**Other Adverse Effects:** No additional information.

### SECTION 13: Disposal Considerations

#### Disposal Methods:

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### Contaminated packaging:

CONTAINER DISPOSAL: Nonrefillable and refillable containers. Refer to the product label for specific container disposal instructions.

### SECTION 14: Transport Information

#### United States Transportation of Dangerous Goods (49 CFR DOT)

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| UN Number                     | NA1993                                                                                                   |
| UN Proper Shipping Name       | Combustible liquid, N.O.S. (beta-cyfluthrin, cyclohexanone, naphthalene)                                 |
| UN Transport Hazard Class(es) | Combustible Liquid  |
| Packing Group                 | None                                                                                                     |
| Environmental Hazards         | None                                                                                                     |

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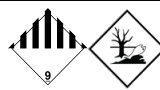
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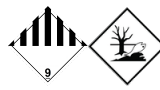
### Cryptoid XL

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special Precautions for User</b> | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reportable Quantity</b>          | 150 gal. of product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Excepted Quantities</b>          | ≤ 119 gal. (450 L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Additional Information</b>       | 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. |

### International Maritime Dangerous Goods (IMDG)

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN Number</b>                     | UN3082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UN Proper Shipping Name</b>       | Environmentally hazardous substance, liquid, N.O.S. (beta-cyfluthrin, cyclohexanone solution)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UN Transport Hazard Class(es)</b> | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Packing Group</b>                 | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Environmental Hazards</b>         | Marine Pollutant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Special Precautions for User</b>  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Additional Information</b>        | 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. |

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN Number</b>                     | UN3082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UN Proper Shipping Name</b>       | Environmentally hazardous substance, liquid, N.O.S. (beta-cyfluthrin, cyclohexanone solution)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UN Transport Hazard Class(es)</b> | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Packing Group</b>                 | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Environmental Hazards</b>         | Marine Pollutant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Special Precautions for User</b>  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Additional Information</b>        | 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. |

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## Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

|                    |                |
|--------------------|----------------|
| Bulk Name          | Not Applicable |
| Ship Type          | Not Applicable |
| Pollution Category | Not Applicable |

## SECTION 15: Regulatory Information

### United States Regulations

**Inventory Listing (TSCA):** All ingredients are listed-active or exempt.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export Notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 Extremely Hazardous Substances:** None of the ingredients are listed.

**SARA Section 313 Toxic Chemicals:**

|         |             |        |
|---------|-------------|--------|
| 91-20-3 | Naphthalene | Listed |
|---------|-------------|--------|

**CERCLA:**

|          |               |        |                         |
|----------|---------------|--------|-------------------------|
| 91-20-3  | Naphthalene   | Listed | 100 lb                  |
| 108-94-1 | Cyclohexanone | Listed | 5,000 pounds (2,270 kg) |

**RCRA:**

|          |               |        |      |
|----------|---------------|--------|------|
| 91-20-3  | Naphthalene   | Listed | U165 |
| 108-94-1 | Cyclohexanone | Listed | U057 |

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

|          |                     |        |
|----------|---------------------|--------|
| 91-20-3  | Naphthalene         | Listed |
| 108-94-1 | Cyclohexanone       | Listed |
| 90-12-0  | 1-Methylnaphthalene | Listed |

**New Jersey Right to Know:**

|          |                     |        |
|----------|---------------------|--------|
| 91-20-3  | Naphthalene         | Listed |
| 108-94-1 | Cyclohexanone       | Listed |
| 91-57-6  | 2-Methylnaphthalene | Listed |
| 90-12-0  | 1-Methylnaphthalene | Listed |
| 57-55-6  | Propane-1,2-diol    | Listed |

**New York Right to Know:**

|          |                     |        |
|----------|---------------------|--------|
| 91-20-3  | Naphthalene         | Listed |
| 108-94-1 | Cyclohexanone       | Listed |
| 90-12-0  | 1-Methylnaphthalene | Listed |

**Pennsylvania Right to Know:**

|          |                     |        |
|----------|---------------------|--------|
| 91-20-3  | Naphthalene         | Listed |
| 108-94-1 | Cyclohexanone       | Listed |
| 91-57-6  | 2-Methylnaphthalene | Listed |
| 90-12-0  | 1-Methylnaphthalene | Listed |
| 57-55-6  | Propane-1,2-diol    | Listed |

**California Proposition 65:**

 **WARNING:** This product can expose you to Naphthalene; which is known to the State of California to

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### Cryptoid XL

cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Additional information:** FIFRA: All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (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 regulatory information presented outside of this FIFRA section is pertinent only when this product is handled outside of normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA. The following is the hazard information as required on the pesticide label:; PRECAUTIONARY STATEMENTS, HAZARDS TO HUMANS AND DOMESTIC ANIMALS, WARNING. May be fatal if swallowed. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if inhaled. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Do not get in eyes or on clothing. Remove and wash contaminated clothing before reuse. Avoid breathing (dust, vapor or spray mist). Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals., ENVIRONMENTAL HAZARDS, This pesticide is extremely toxic to fish and aquatic invertebrates., This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds., PHYSICAL OR 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.

### SECTION 16: Other Information

#### Disclaimer:

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.

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End of Safety Data Sheet