

# MSDS

# Material Safety Data Sheet

Date prepared: Oct 25, 2015

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Cyhalothrin  
**CAS Reg. Number:** 68085-85-8  
**Catalog Number:** 1ST20231  
**Manufacturer's Name:** A Chemtek, Inc.  
100 Barber Avenue  
Worcester, MA 01606, USA

**Telephone Number:** 508-471-4121

**Fax Number:** 508-845-9201


*For R & D use only*

## Section 2 - Hazardous Ingredients/Identity Information

### Classification of the substance or mixture

Acute toxicity, Oral (Category 4), H302  
Acute toxicity, Inhalation (Category 4), H332  
Acute toxicity, Dermal (Category 4), H312  
Eye irritation (Category 2A), H319  
Acute aquatic toxicity (Category 3), H402  
Chronic aquatic toxicity (Category 3), H412

### Label elements

Pictogram	
Signal word	Warning
Hazard statement(s)	
H302	Harmful if swallowed. H302 + H312 + H332 Harmful if swallowed, in contact
with skin or if inhaled	
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash 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.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Section 3 - Composition/Information on Ingredients

**Formula:** C<sub>23</sub>H<sub>19</sub>CIF<sub>3</sub>NO<sub>3</sub>  
**Molecular Weight:** 449.85g/mol  
**CAS-No.** 68085-85-8

## Section 4 - First Aid Measures

### If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

### In case of skin contact

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Wash off with soap and plenty of water.

## **In case of eye contact**

Flush eyes with water as a precaution.

## **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## **Section 5 - Fire-Fighting Measures**

### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

## **Section 6 - Accidental Release Measures**

### **Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

### **Environmental precautions**

Do not let product enter drains.

### **Methods for cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## **Section 7 - Handling and Storage**

### **Handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### **Storage**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: 2 - 8°C

## **Section 8 - Exposure Controls/Personal Protection**

Contains no substances with occupational exposure limit values

### **Personal protective equipment**

#### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

For prolonged or repeated contact use protective gloves

#### **Eye protection**

Safety glasses

#### **Hygiene measures**

General industrial hygiene practice

## **Section 9 - Physical and Chemical Properties**

### **Appearance:**

Form	solid
Color	not available

### **Safety data**

pH:	not available
Melting point:	not available
Boiling point:	not available
Flash point:	2 °C (36 °F)
Lower explosion limit:	not available
Upper explosion limit:	not available
Water solubility:	not available

## **Section 10 - Stability and Reactivity**

### **Storage stability**

Stable under recommended storage conditions

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**Materials to avoid** Bases, Oxidizing agents, Alkali metals, Reducing agents, acids  
**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions.  
- Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride gas. Hydrogen fluoride.

## Section 11 - Toxicological Information

**Acute toxicity:** not available

**Irritation and corrosion:** not available

**Sensitization:** not available

**Respiratory or skin sensitization:** not available

### Chronic exposure

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Potential health effects

Inhalation: not available

Skin: not available

Eyes: not available

Ingestion: not available

## Section 12 - Ecological Information

**Elimination information (persistence and degradability)** not available

**Ecotoxicity effects:** not available

**Further information on ecology:** not available

## Section 13 - Disposal Considerations

**Product** Offer surplus and non-recyclable solutions to a licensed disposal company.

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging** Dispose of as unused product.

## Section 14- Transport Information

**DOT (US):**

Not dangerous goods

**IMDG:**

Not dangerous goods

**IATA:**

Not dangerous goods

## Section 15 - Regulatory Information

**SARA 302 Components**

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Massachusetts Right To Know Components**

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No Components Listed

**Pennsylvania Right To Know Components**

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**New Jersey Right To Know Components**

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**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16 - Other Information**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. A Chemtek shall not be held liable for any damage resulting from handling or from contact with the above product.

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