

# MSDS

# Material Safety Data Sheet

Date prepared: Sep 5, 2015

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Flucythrinate  
**CAS Reg. Number:** 70124-77-5  
**Catalog Number:** 1ST20232  
**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 3)

Acute toxicity, Inhalation (Category 3)

Acute toxicity, Dermal (Category 4)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)



Pictogram

Signal word

Danger

Hazard statement(s)

H301 + H331 Toxic if swallowed or if inhaled

H312 Harmful in contact with skin.

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P311 Call a POISON CENTER or doctor/ physician.

P501 Dispose of contents/ container to an approved waste disposal plant.

## Section 3 - Composition/Information on Ingredients

Formula: C<sub>26</sub>H<sub>23</sub>F<sub>2</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight: 451.46 g/mol

CAS-No. 70124-77-5

## 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

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.

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## Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6 - Accidental Release Measures

**Personal precautions** Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods for cleaning up** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

**Handling** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**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**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. 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 liquid  
Color not available

**Safety data**

pH: not available  
Melting point: not available  
Boiling point: not available  
Flash point: not available  
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

**Materials to avoid** Strong oxidizing agents, Strong bases

**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions.

- Carbon oxides, Nitrogen oxides (NOx), Hydrogen fluoride

## Section 11 - Toxicological Information

**Acute toxicity:**

Oral LD50

LD50 Oral - Rat - 67 mg/kg

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Inhalation LC50

LC50 Inhalation - Rat - 4 h - 4,850 mg/m<sup>3</sup>

Dermal LD50

LD50 Dermal - Rabbit - > 1,000 mg/kg

Other information on acute toxicity

No data 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: no data available

Skin: no data available

Eyes: no data available

Ingestion: no data 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.

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

### SARA 313 Components

SARA 313: 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

No components are subject to the Massachusetts Right to Know Act.

### 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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