

# MSDS

# Material Safety Data Sheet

Date prepared: Sep 5, 2015

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Fenvalerate  
**CAS Reg. Number:** 51630-58-1  
**Catalog Number:** 1ST20226  
**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), H301  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335  
Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410

### Label elements

Pictogram	
Signal word	Danger
Hazard statement(s)	
H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic 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.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

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P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

## Section 3 - Composition/Information on Ingredients

Formula: C<sub>25</sub>H<sub>22</sub>CINO<sub>3</sub>  
Molecular Weight: 419.9 g/mol  
CAS-No. 51630-58-1

## 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.

### 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:

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Form	solid
Color	not available
<b>Safety data</b>	
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

<b>Storage stability</b>	Stable under recommended storage conditions
<b>Materials to avoid</b>	Strong oxidizing agents, Strong bases
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas.

## Section 11 - Toxicological Information

<b>Acute toxicity:</b>	LD50 Oral - rat - 70.2 mg/kg LD50 Inhalation - rat - 3 h - > 101 mg/l LD50 Dermal - rat - > 5,000 mg/kg LD50 Dermal - rabbit - > 2,000 mg/k
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**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)

**Toxicity to fish** LC50 - Cyprinus carpio (Carp) - 0.002 mg/l - 96 h

**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.

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## Section 14- Transport Information

### DOT (US)

UN number: 2811                      Class: 6.1                      Packing group: III  
Proper shipping name: Toxic solids, organic, n.o.s. (Cyano (3-phenoxybenzyl)-2-(4-chlorophenyl)-3-methylbutyrate)  
Reportable Quantity (RQ):  
Marine pollutant: No  
Poison Inhalation Hazard: No

### IMDG

UN number: 2811                      Class: 6.1                      Packing group: III                      EMS-No: F-A, S-A  
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Cyano (3-phenoxybenzyl)-2-(4-chlorophenyl)-3-methylbutyrate)  
Marine pollutant: No

### IATA

UN number: 2811                      Class: 6.1                      Packing group: III  
Proper shipping name: Toxic solid, organic, n.o.s. (Cyano (3-phenoxybenzyl)-2-(4-chlorophenyl)-3-methylbutyrate)

## Section 15 - Regulatory Information

### SARA 302 Components

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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

Cyano (3-phenoxybenzyl)-2-(4-chlorophenyl)-3-methylbutyrate  
CAS-No. 51630-58-1      Revision Date 2007-07-01

### Pennsylvania Right To Know Components

Cyano (3-phenoxybenzyl)-2-(4-chlorophenyl)-3-methylbutyrate  
CAS-No. 51630-58-1      Revision Date 2007-07-01

### New Jersey Right To Know Components

Cyano (3-phenoxybenzyl)-2-(4-chlorophenyl)-3-methylbutyrate  
CAS-No. 51630-58-1      Revision Date 2007-07-01

### 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.