

# MSDS

# Material Safety Data Sheet

Date prepared: Oct 25, 2015

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Pyrethrum extract  
**CAS Reg. Number:** 8003-34-7  
**Catalog Number:** 1ST20208  
**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

Flammable liquids (Category 4), H227  
Acute toxicity, Oral (Category 3), H301  
Acute toxicity, Inhalation (Category 4), H332  
Acute toxicity, Dermal (Category 3), H311  
Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410



Pictogram

Signal word

Danger

Hazard statement(s)

H227

Combustible liquid.

H301 + H311

Toxic if swallowed or in contact with skin

H332

Harmful if inhaled.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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/ protective clothing/ eye protection/ face protection.

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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.

P312

Call a POISON CENTER/doctor if you feel unwell.

P322

Specific measures (see supplemental first aid instructions on this label).

P330

Rinse mouth.

P361

Remove/Take off immediately all contaminated clothing.

P363

Wash contaminated clothing before reuse.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P391

Collect spillage.

P403 + P235

Store in a well-ventilated place. Keep cool.

P405

Store locked up.

P501

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

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## Section 3 - Composition/Information on Ingredients

Formula: C43H56O8  
Molecular Weight: 700.90g/mol  
CAS-No. 8003-34-7

## 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

Avoid dust formation. Avoid breathing vapours, mist or gas.

### Environmental precautions

Do not let product enter drains.

### Methods for cleaning up

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

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 clear, liquid  
Color brown to dark brown

### Safety data

pH: not available  
Melting point: not available

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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, Strong oxidizing agents  
**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions.  
- Carbon oxides.

## 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)

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0.05 mg/l - 96.0 h  
Toxicity to daphnia and EC50 - Daphnia pulex (Water flea) - 0.02 mg/l - 48 h  
other aquatic  
invertebrates

**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):

UN number: 2810 Class: 6.1 Packing group: III  
Proper shipping name: Toxic, liquids, organic, n.o.s. (Pyrethrins including cinerins)  
Marine pollutant: No

### IMDG:

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UN number: 2810 Class: 6.1 Packing group: III EMS-No: F-A, S-A  
Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (Pyrethrins including cinerins)  
Marine pollutant:yes

**IATA:**

UN number: 2810 Class: 6.1 Packing group: III  
Proper shipping name: Toxic liquid, organic, n.o.s. (Pyrethrins including cinerins)

## 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

Pyrethrins including cinerins CAS-No 8003-34-7 Revision Date 1993-04-24

### Pennsylvania Right To Know Components

Pyrethrins including cinerins CAS-No 8003-34-7 Revision Date 1993-04-24

### New Jersey Right To Know Components

Pyrethrins including cinerins CAS-No 8003-34-7 Revision Date 1993-04-24

### 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.