

MSDS

Material Safety Data Sheet

Date prepared: Sep 5, 2015

Date revised: N/A (first edition)

Section 1 - General Information

Chemical Name: Tolfenpyrad
CAS Reg. Number: 129558-76-5
Catalog Number: 1ST20420
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 aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H302 + H332

Harmful if swallowed or if inhaled

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.

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you

feel unwell. comfortable for breathing.

P304 + P340

IF INHALED: Remove victim to fresh air and keep at rest in a position

P312

Call a POISON CENTER or doctor/ physician if you feel unwell.

P330

Rinse mouth.

P391

Collect spillage.

P501

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

Section 3 - Composition/Information on Ingredients

Formula: C₂₁H₂₂CIN₃O₂

Molecular Weight: 383.87g/mol

CAS-No. 129558-76-5

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.

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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

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.
Recommended storage temperature: RT.

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	White

Safety data

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

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.
- Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas.

Section 11 - Toxicological Information

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Acute toxicity:

Acute toxicity

LD50 Oral - rat - 386 mg/kg

LC50 Inhalation - rat - 4 h - > 2.21 mg/l

LD50 Dermal - rat - > 2,000 mg/kg

no data available

Irritation and corrosion: not available

Sensitization: not available

Respiratory or skin sensitization: not available

Chronic exposure 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, NTP, or OSHA.

Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Section 12 - Ecological Information

Elimination information (persistence and degradability)

Toxicity to fish EC50 - Cyprinus carpio (Carp) - 0.049 mg/l - 99 h

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 0.008 mg/l - 48 h

other aquatic

invertebrates Toxicity to algae EC50 - Algae - 1.36 mg/l - 72 h

Ecotoxicity effects: not available

Further information on ecology: not available

Section 13 - Disposal Considerations

Product Observe all federal, state, and local environmental regulations.

Contaminated packaging Dispose of as unused product.

Section 14- Transport Information

DOT (US):

Not dangerous goods

IMDG:

UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tolfenpyrad)

Marine pollutant: Marine pollutant

IATA:

UN number: 3077 Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tolfenpyrad)

Section 15 - Regulatory Information

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SARA 302 Components

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.

SARA 311/312 Hazards

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No SARA Hazards

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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