

# MSDS

# Material Safety Data Sheet

Date prepared: May 28, 2012

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Sulfamethizole  
**CAS Reg. Number:** 144-82-1  
**Catalog Number:** 1ST4008  
**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

### Emergency Overview

#### OSHA Hazards


Skin sensitiser

#### GHS Classification

Acute toxicity, Oral (Category 5)

Skin sensitization (Category 1)

#### GHS Label elements, including precautionary statements

Pictogram 

Signal word Warning

Hazard statement(s)

H303 May be harmful if swallowed.

H317 May cause an allergic skin reaction.

Precautionary statement(s)

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

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

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

#### Reactivity Hazard: OHMIS Classification

Health hazard: 2  
Flammability: 0  
Physical hazards: 0

#### NFPA Rating

Health hazard: 2  
Fire: 0  
Reactivity Hazard: 0

#### 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 3 - Composition/Information on Ingredients

Formula:  $C_9H_{10}N_4O_2S_2$   
Molecular Weight: 270.33g/mol  
CAS-No. 144-82-1

## 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

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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 fire fighting if necessary.

### Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

## 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

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

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.

Light sensitive. Keep in a dry place.

## Section 8 - Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Body Protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### 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).

## Section 9 - Physical and Chemical Properties

### Appearance:

Form	Powder
Colour	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

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Other safety information not available

## Section 10 - Stability and Reactivity

**Storage stability** Stable under recommended storage conditions  
**Materials to avoid** Strong oxidizing agents  
**Conditions to avoid** Avoid moisture. Light.  
**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides  
Other decomposition products - no data available

## Section 11 - Toxicological Information

### Acute toxicity

LD50 Oral – rat – 3,500 mg/kg

**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

**Toxicity** not available

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

**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:** Not dangerous goods

**IATA:** Not dangerous goods

## Section 15 - Regulatory Information

### OSHA Hazards

Skin sensitizer

### 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.

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

### 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.