

# MSDS

# Material Safety Data Sheet

Date prepared: Sep 5, 2015

Date revised: N/A (first edition)

## Section 1 - General Information

**Chemical Name:** Minocycline hydrochloride  
**CAS Reg. Number:** 13614-98-7  
**Catalog Number:** 1ST4104  
**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

Not a hazardous substance or mixture.

## Section 3 - Composition/Information on Ingredients

**Formula:** C<sub>23</sub>H<sub>27</sub>N<sub>3</sub>O<sub>7</sub> · HCl  
**Molecular Weight:** 493.94g/mol  
**CAS-No.** 13614-98-7

## 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

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

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**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 crystalline  
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 chloride gas.

## Section 11 - Toxicological Information

**Acute toxicity:** LD50 Oral - Rat - 2,380 mg/kg

**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

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**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

4S-(4- $\alpha$ ,4a- $\alpha$ ,5a- $\alpha$ ,12a- $\alpha$ )]-4,7-Bis(dimethylamino)- 1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxonaphthacene-2-ca CAS-No. 13614-98-7 Revision Date

### New Jersey Right To Know Components

4S-(4- $\alpha$ ,4a- $\alpha$ ,5a- $\alpha$ ,12a- $\alpha$ )]-4,7-Bis(dimethylamino)- 1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxonaphthacene-2-ca CAS-No. 13614-98-7 Revision Date

### 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.