Chemical Name:

Date prepared: May 28, 2012

# **Material Safety Data Sheet**

Date revised: N/A (first edition)

Chemical Name:	Sunamemoxazoie		
CAS Reg. Number:	723-46-6		
Catalog Number:	1ST4005		
Manufacturer's Name:	A Chemtek, Inc.		
	100 Barber Avenue		
	Worcester, MA 01606, USA		
<b>Telephone Number:</b>	508-471-4121		
Fax Number:	508-845-9201		
For R & D use only			
2			
Section 2 - Hazardo	ous Ingredients/Identity Information		
Classification of the sul	bstance or mixture		
Classification according	g to Regulation (EC) No 1272/2008 [EU-GHS/CLP]		
Skin irritation (Category	2)		
Eye irritation (Category 2	2)		
Skin sensitization (Categ	Skin sensitization (Category 1)		
Specific target organ tox	icity - single exposure (Category 3)		
<b>Classification according</b>	g to EU Directives 67/548/EEC or 1999/45/EC		
	ystem and skin. Risk of serious damage to eyes.		
Label elements			
Labelling according Re	egulation (EC) No 1272/2008 [CLP]		
8 8			
Pictogram			
Signal word	Warning		
Hazard statement(s)			
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		
Precautionary statement(			
P261	Avoid breathing dust.		
P280	Wear protective gloves.		
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,		
	if present and easy to do. Continue rinsing.		
Supplemental Hazard	none		
Statements			
<b>HMIS Classification</b>			
Health hazard:	2		
	ste		

Sulfamethoxazole

#### **Section 1 - General Information**

Health hazard:	2	
Chronic Health H	lazard: *	
Flammability:	0	
Physical hazards:	0	
NFPA Rating		
Health hazard:	2	
Fire:	0	
Reactivity Hazard	d: 0	
Potential Health Effects		
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.	
Skin	May be harmful if absorbed through skin. Causes skin irritation.	
Eyes	Causes eye irritation.	
Ingestion	May be harmful if swallowed.	

### Section 3 - Composition/Information on Ingredients

Formula:	$C_{10}H_{11}N_3O_3S$
Molecular Weight:	253.28g/mol
CAS-No.	723-46-6

MSDS

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#### **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 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.
<b>Environmental precautions</b>	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. Store in cool place. Light sensitive. Moisture sensitive.

### Section 8 - Exposure Controls/Personal Protection

#### 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

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **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	Solid
Safety data	
pH:	not available
Melting point:	Melting point/range: 166-169 °C
Boiling point:	not available

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Sulphur oxides

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Flash point: Ignition temperature:	not available not available
Lower explosion limit:	not available
Upper explosion limit:	not available
Water solubility:	not available
Other safety information	not available

#### Section 10 - Stability and Reactivity

Storage stabilityStable under recommended storage conditionsConditions to avoidLightMaterials to avoidStrong oxidizing agentsHazardous decomposition productsHazardous decomposition productsHazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx),

Other decomposition products - no data available

### **Section 11 - Toxicological Information**

Section 11 - Loxicologi	cal Information			
Acute toxicity				
LD50 Oral - rat - 6.200 mg/kg				
LD50 Oral - mouse - 2.300 mg/kg				
LD50 Intraperitoneal - mouse - 2.300 mg/kg				
Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Convulsions or effect on				
seizure threshold. Lungs, The	orax, or Respiration: Dyspnea.			
LD50 Intravenous - mouse -	1.460 mg/kg			
LD50 Subcutaneous - rat - >	5.000 mg/kg			
LD50 Subcutaneous - mouse				
Irritation and corrosion:	not available			
Sensitization:	not available			
Respiratory or skin sensitiz	ation: not available			
Chronic exposure				
IARC: 3 - Group 3: Not cla	assifiable as to its carcinogenicity to humans (Sulfamethoxazole)			
	his product present at levels greater than or equal to 0.1% is identified as a			
carcinogen or poten	tial carcinogen by ACGIH.			
NTP: No component of th	is product present at levels greater than or equal to 0.1% is identified as a			
known or anticipate	d carcinogen by NTP.			
OSHA: No component of th	is product present at levels			
Potential health effects				
Inhalation: N	lay be harmful if inhaled. May cause respiratory tract irritation.			
Skin: N	lay be harmful if absorbed through skin. May cause skin irritation.			
Eyes: M	Iay cause eye irritation.			
Ingestion: N	Iay be harmful if swallowed.			
Section 12 - Ecological	Information			
Toxicity	not available			
Elimination information (p	ersistence and degradability)			
	not available			
Ecotoxicity effects:	not available			
Further information on eco	logy: not available			
Section 13 - Disposal C	onsiderations			
Product	Observe all federal, state, and local environmental regulations.			
Contaminated packaging	Dispose of as unused product.			
Contaminated packaging	Dispose of us unused product.			

### **Section 14- Transport Information**

DOT (US):	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods

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#### **Section 15 - Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **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.