

## SAFETY DATA SHEET

### Sulfamethazine 25% Concentrate Solution

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**MSDS Name:** Sulfamethazine 25% Concentrate Solution  
**Product ID:** SOL-SM4  
**CAS no:** Mixture, refer to **Section 3**  
**Chemical Present:** Refer to **Section 3**

**Company Identification:** Solvet  
411- 19<sup>th</sup> Street South East  
Calgary, Alberta Canada  
T2E6J7  
[www.solvet.ca](http://www.solvet.ca)

For information call: (403) 456-2245  
Emergency number: (613) 996-6666 (CANUTEC)  
1-800 463-5060 OR  
(418) 656-8090 (Control Poison Center)

## 2. HAZARDS IDENTIFICATION

<b>Eye Contact:</b>	May cause eye irritation. Corrosive (NaOH), can result in corneal damage or blindness.
<b>Skin Contact/Absorption:</b>	May be harmful if absorbed through skin. May cause skin irritation. Corrosive, irritant and permeate (NaOH), can produce inflammation and blistering.
<b>Inhalation:</b>	May be harmful if inhaled. May cause irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
<b>Ingestion:</b>	May be harmful if swallowed.

### Emergency Overview:

**WHMIS Classification:** Not WHMIS controlled.

**GHS Classification:** Acute toxicity, Oral (Category 4)

**GHS Label elements, including precautionary statements**

Pictogram



Signal word	Warning
Hazard statement(s) H302	Harmful if swallowed.
Precautionary statement(s)	none

### HMIS Classification

Health hazard:	1
Flammability:	0
Physical hazards:	0

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Chemical Name	Chemical Formula	% by weight
1981-58-4	Sulfamethazine Sodium Salt	C <sub>12</sub> H <sub>13</sub> N <sub>4</sub> NaO <sub>2</sub> S	25 %
1310-73-2	Sodium Hydroxide	NaOH	1.0%
7732-18-5	Purified Water	H <sub>2</sub> O	qs. ad 74 %

#### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Flush immediately with water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention immediately.
<b>Skin Contact:</b>	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
<b>Inhalation:</b>	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical Attention if difficulties persist.
<b>Ingestion:</b>	Do not induce vomiting unless directed to do so. Never give anything to an unconscious person. Seek immediate medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Condition of Flammability</b>	Not flammable
<b>Means of Extinction</b>	Product does not burn. Use appropriate extinguishing media for surrounding fire.
<b>Auto-ignition Temperature</b>	Not applicable
<b>Upper Flammable Limit</b>	Not applicable
<b>Lower Flammable Limit</b>	Not applicable
<b>Hazardous Combustible Products</b>	Not applicable
<b>Special Fire Fighting Procedures</b>	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
<b>Explosion Hazards</b>	Not applicable

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
<b>Environmental precautions</b>	Do not let product enter drains.
<b>Methods and materials for containment and cleaning</b>	Up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling Procedures:</b>	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Storage Requirements:</b>	Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials. Recommended storage temperature: 2 - 8 °C

## 8. EXPOSURE CONTROLES/PERSONAL PROTECTION

<b>Protective Equipment</b>	
<b>Eyes</b>	Chemical goggles, full face shield or a full face respirator is to be worn at all times when product is handled.
<b>Respiratory</b>	Use NIOSH/MSHA approved respiratory protection when airborne dust is expected. In dusty atmosphere, use an approved dust respirator.
<b>Gloves</b>	Impervious gloves of chemically resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.
<b>Clothing</b>	Body suits, aprons and or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.
<b>Footwear</b>	Impervious boots of chemically resistant material should be worn.
<b>Engineering Controls:</b>	
<b>Ventilation Requirements:</b>	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems.
<b>Other</b>	Keep an eye wash fountain and safe shower available and in close proximity to work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
<b>Physical State:</b>	Liquid
<b>Color:</b>	Slight yellowish
<b>Odor:</b>	Characteristic odor
<b>Odor Threshold:</b>	No test data available
<b>pH:</b>	> 12
<b>Solubility in water:</b>	All component chemicals are soluble in water.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable
<b>Incompatibles</b>	Highly reactive with metals. Reactive with oxidizing agents, reducing agents, acids, alkalis, moisture (Sodium Hydroxide).
<b>Decomposition Products</b>	Hazardous decomposition products formed under fire conditions. Carbon dioxide, nitrogen oxides (NOx), Sulphur oxides, Sodium oxides (Sulfamethazine sodium).
<b>Hazardous Polymerization</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity: LD50 Oral – mouse</b>	1,165 mg/kg
<b>Inhalation LC50</b>	no data available
<b>Dermal LD50</b>	no data available
<b>Other information on acute toxicity</b>	no data available
<b>Skin corrosion/irritation</b>	no data available
<b>Serious eye damage/eye irritation</b>	no data available
<b>Respiratory or skin sensitisation</b>	no data available
<b>Germ cell mutagenicity</b>	no data available
<b>Carcinogenicity</b>	
<b>IARC:</b>	3 - Group 3: Not classifiable as to its carcinogenicity to humans (4-Amino-N-(4,6-dimethyl-2- pyrimidinyl)benzenesulfonamide)
<b>ACGIH:</b>	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.
<b>Reproductive toxicity</b>	no data available
<b>Teratogenicity</b>	no data available
<b>Specific target organ toxicity - single exposure (Globally Harmonized System)</b>	no data available
<b>Specific target organ toxicity - repeated exposure (Globally Harmonized System)</b>	no data available
<b>Aspiration hazard</b>	no data available
<b>Potential health effects</b>	
<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin</b>	Harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.
<b>Signs and Symptoms of Exposure</b>	
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>Synergistic effects</b>	no data available
<b>Additional Information</b>	RTECS: Not available

## 12. ECOLOGICAL INFORMATION

**Toxicity** no data available  
**Persistence and degradability** no data available

**Bioaccumulative potential** no data available  
**Mobility in soil** no data available  
**Other adverse effects** no data available

## 13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

**Federal and State Regulations** TSCA 8(b) inventory: Sulfamethazine, Sodium Salt  
**WHMIS** Not WHMIS controlled  
**EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 217-840-0)  
**Canada:** Listed on Canadian Domestic Substance List (DSL)  
**DSCL (EEC)** R22- Harmful if swallowed. S46- If swallowed, seek medical advice immediately and show this container or label.

HMS (U.S.A.)

Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	E

National Fire Protection Association (U.S.A.)



WHMIS (Canada)  
 (Pictograms)



DSCL (Europe)  
 (Pictograms)



TDG (Canada)  
 (Pictograms)



ADR (Europe)  
 (Pictograms)



**Protective Equipment**



Gloves.



Lab coat.



Dust respirator. Be sure to use an approved/certified respirator or equivalent.



Safety glasses.

16. OTHER INFORMATION

**MSDS Number:** SOL003

**MSDS creation Date:** July 10, 2013

**Revised date:** Jan 12, 2016

**Revision due:** Jan 30, 2018

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Solvet be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Solvet has been advised of the possibility of such damages.

***This product has been classified in accordance with the hazard criteria of the CPR  
and the SDS contains all of the information required by the CPR***