



# Safety Data Sheet

## Aries 3320

### Section 1. Identification

Product Identifier	Aries 3320		
Synonyms	Boiler treatment chemical		
Manufacturer Stock Numbers	N/A		
Recommended use	Boiler water treatment		
Uses advised against	N/A		
Manufacturer Contact			
Address	Aries Chemical Incorporated PO BOX 519 Beaver Falls, NY, 13305		
	Phone	Emergency Phone	Fax
	(315) 346-1489	(800) 535-5053 INFOTRAC	(315) 346-1658
	Email	Website	
	aries@arieschem.com	www.arieschem.com	

### Section 2. Hazards Identification

Classification	ACUTE TOXICITY - ORAL - Category 4 EYE DAMAGE/IRRITATION - Category 1
Signal Word	Danger
Pictogram	
Hazard Statements	Causes serious eye damage Harmful if swallowed
Precautionary Statements	

Response	<p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms occur.</p> <p>IF ON SKIN (or hair): Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation persists. Wash clothing before reuse.</p> <p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink large quantities of water to dilute. Seek immediate medical attention.</p>
Prevention	<p>Do not breathe mists.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Do not get in eyes, on skin, or on clothing.</p> <p>Keep container tightly closed when not in used.</p> <p>Wash after handling and before eating, drinking or smoking.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p>
Storage	Store in a cool, dry, well-ventilated area in a closed container.
Disposal	Dispose of contents/containers in accordance with local, state and federal regulations.
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
7681-57-4	Disulfurous acid, disodium salt	3% - 10%

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

Ingestion	Do NOT induce vomiting. Drink copious amounts of water and seek medical attention.
Skin	Wash with soap and water. Get medical attention if irritation develops or persists.
Eye	Get medical attention immediately. Call poison center or physician. Flush eye with water for 20 minutes, occasionally lifting the upper and lower eyelids.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### Section 5. Fire Fighting Measures

Suitable Extinguishing Media	As appropriate for surrounding fire.
Unsuitable Extinguishing Media	High volume water jet.
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Suitable extinguishing media	Cool exposed containers with water spray after extinguishing fire.
Fire fighting instructions	Water runoff can cause environmental damage. Dike and collect water used to fight fire.
Additional Information	Unusual fire and explosion hazards: High temperatures yield sulfur dioxide gas.

## Section 6. Accidental Release Measures

Clean-up	Dike and absorb spill area with inert material (e.g., dry sand or earth), then place in a DOT approved chemical waste container for disposal. Deactivation materials include lime, limestone, sodium carbonate (soda ash) and sodium bicarbonate (baking soda). Flush remainder with water.
Personal precautions	Spillage may cause SLIPPERY CONDITIONS (especially when wet).

## Section 7. Handling and Storage

Handling	Wear appropriate PPE when handling, including an approved respirator if mist or vapor levels exceed exposure limits. Do not breathe (dust, vapor, mist, gas). Do not get in eyes, on skin or clothing. Use with adequate ventilation. Wash hands before eating, drinking or smoking. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Handle in accordance with good industrial hygiene and safety practice.
Storage	Store in a cool, dry, well-ventilated area. Store locked up in a tightly closed container. Store away from incompatible materials. Emergency eye wash and safety shower should be located nearby.
Additional Information	Incompatibilities: Strong oxidizers, acids, high temperatures.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Disulfurous acid, disodium salt	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Personal Protective Equipment	Goggles, Gloves			
Engineering Controls	Ventilation: Not required. Eye and safety showers should be located nearby.			
Eye protection	Tightly fitting safety goggles.			
Hand/skin protection	Wear chemical resistant gloves and clothing.			

Respirators

None normally required. If misty atmospheres, use a NIOSH approved acid-mist respirator. If respiratory irritation is experienced, use an approved air-purifying respirator.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid
Color	No information available.
Odor	No information available.
Odor Threshold	No information available.
Solubility	Complete
Partition coefficient Water/n-octanol	No information available.
VOC%	N/A
Viscosity	No information available.
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	No information avail
FP Method	N/A
Ph	~ 6.0
Melting Point	No information available.
Boiling Point	212 F
Boiling Range	No information available.
LEL	N/A
UEL	N/A
Evaporation Rate	As water
Flammability	No information available.
Decomposition Temperature	No information available.
Auto-ignition Temperature	No information available.
Vapor Pressure	17.5 mmHg @ 20 C
Vapor Density	No information available.

Additional Information

Specific gravity: 1.20 - 1.22 @ 75 F

**Section 10. Stability and Reactivity**

Chemical stability

Stable under normal conditions of storage and handling.

Hazardous polymerization

Hazardous polymerization will not occur.

Additional Information

-Conditions to Avoid: High temperatures yield sulfur dioxide gas.  
-Materials to Avoid: Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.  
-Hazardous Decomposition Products: Sulfur dioxide gas: toxic and corrosive. Sodium sulfide residual: flammable, dangerous fire risk, strong irritant to skin and tissue, incompatible with acids.

## Section 11. Toxicological Information

Eye contact	Causes serious eye damage.
Ingestion	May be harmful if swallowed.
Inhalation	No information available.
Skin contact	May cause mild irritation.
Aspiration hazard	No information available.
Sensitization to product	No information available.
Carcinogenicity	No components have been identified as carcinogenic by OSHA, NTP or IARC.
Embryotoxicity	No information available.
Mutagenicity	No information available.
Reproductive effects	No information available.
Teratogenicity	No information available.
Specific target organ toxicity - single exposure	No information available.
Specific target organ toxicity - repeat exposure	No information available.
Additional Information	Acute toxicity data: -Sodium metabisulfite (7681-57-4) LD50/Oral/Rat = 1,540 mg/kg LD50/Dermal/Rat: >2,000 mg/kg

## Section 12. Ecological Information

Bioaccumulative potential	No information available.
Mobility	No information available.
Persistence and degradability	No information available.

## Section 13. Disposal

Disposal	Dispose of in accordance with federal, state and local regulations. Do not discharge into sewer or surface water.
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## Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not classified as dangerous in the meaning of transport regulations.
DOT Classification	N/A
Packing Group	N/A

## Section 15. Regulatory Information

TSCA	The ingredients of this product are either listed on or exempt from listing on the
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**SARA Section 313** Toxic Substances Control Act (TSCA) Chemical Substances Inventory. Hazardous Component(s) subject to reporting under 40 CFR 372(SARA Title III, Sec. 313): None.

**California Proposition 65** The following chemicals are recognized by the State of California as carcinogenic: None known.

**Additional Information** OSHA Hazard Communication Status  
Acute toxicity - Oral, Category 4  
Eye damage/irritation, Category 1

**FEDERAL REGULATIONS**  
-SARA Title III Section 311/312 Hazard Categories: Sodium metabisulfite (7681-57-4): Acute-yes. Chronic-No. Fire-No. Reactivity-No. Pressure-No.

## **Section 16. Other Information**

**Revision Date** 10/14/2015

**Version Number** 2

**HMIS** Health - 1; Fire - 0; Reactivity - 1; Personal Precautions - B (Safety goggles and gloves)

**NFPA** Health - 1; Fire - 0; Reactivity - 1; Special Hazard - None

**HMIS and NFPA Rating Scale** Minimal - 0; Slight - 1; Moderate - 2; Serious - 3; Severe - 4

**Reason for Revision** Change in GHS hazard classification.

**Disclaimer** While Aries Chemical Inc. believes the data set forth herein is accurate as of the date hereof, Aries Chemical makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon of such data and is offered solely for your consideration, investigation and verification.