



Safety Data Sheet

PrecipMet 915

Section 1. Identification

Product Identifier PrecipMet 915
Synonyms Aries 0915
Manufacturer Stock
Numbers N/A

Recommended use Water treatment, heavy metal precipitation
Uses advised against N/A

Manufacturer Contact

Address Aries Chemical Incorporated
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| | | |
|----------------|-----------------|----------------|
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| | INFOTRAC | |

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|---------------------|-------------------|
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Section 2. Hazards Identification

Classification CORROSIVE TO METALS - Category 1
 EYE DAMAGE/IRRITATION - Category 1
 SKIN CORROSION/IRRITATION - Category 1B
Signal Word Danger

Pictogram



Hazard Statements

Causes serious eye damage
Causes severe skin burns and eye damage
May be corrosive to metals

Precautionary Statements

Response

Absorb spillage to prevent material damage.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical treatment.
Wash contaminated clothing before reuse.

Prevention

Avoid release to the environment.
Do not breathe dust/fume/gas/mist/ vapors/spray.
Keep only in original container.
Take any precaution to avoid mixing with acids and strong oxidizing agents.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store in corrosive resistant container with a resistant inner liner.
Store locked up. Protect drum from damage, freezing and intense heat.

Disposal

Dispose of contents/containers in accordance with local, state and federal regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Additional Information

Contact with acids liberates very toxic gas. Toxic to aquatic life.

Warning - This preparation contains a substance not yet tested completely (>10%)

Section 3. Ingredients

| CAS | Ingredient Name | Weight % |
|--------------|-------------------------------------------------------------------------|----------------|
| Trade secret | Proprietary hydropolysulfide, carbonothioylbis-, disodium salt solution | Trade secret % |
| Trade secret | Other proprietary ingredients/components | Trade secret % |
| 16721-80-5 | Sodium hydrosulfide | 20% - 25% |

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

Section 4. First-Aid Measures

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| First Aid Eye | Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. If possible, use lukewarm water. Get medical attention immediately. |
| First Aid Ingestion | If swallowed, do NOT induce vomiting. Rinse mouth with water. Call a physician or poison control center if you feel unwell. Never give anything by mouth to an unconscious person. |
| First Aid Inhalation | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if you feel unwell. |
| Skin | IF ON SKIN: Wash thoroughly with plenty soap and water. Remove contaminated clothing. Get medical attention immediately if irritation develops or persists.. |
| Additional Information | Note to physicians: Treat symptomatically. |

Section 5. Fire Fighting Measures

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| Suitable Extinguishing Media | As appropriate for surrounding fire |
| Unsuitable Extinguishing Media | None known |
| Fire fighting instructions | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. |
| Additional Information | Special hazards arising from the mixture: None known |

Section 6. Accidental Release Measures

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| Personal precautions | Wear appropriate personal protection. (See Section 8). Wear breathing apparatus if exposed to vapors/dust/aerosols. Remove soiled clothing and launder before reuse. Avoid all skin contact with spilled material. Have emergency equipment readily available. |
| Clean-up | Avoid runoff into storm sewers and ditches which lead to waterways. |
| Containment and clean-up | Soak up or wet vacuum spilled liquid. Neutralize residue with sodium bicarbonate or other neutralizing agent for dilute acids. Decontaminate the area thoroughly. Test area with litmus paper to ensure neutralization. Place all spill residues in a suitable container. |

Section 7. Handling and Storage

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| Handling | Wear appropriate PPE when handling, including an approved respirator if mist or vapor levels exceed exposure limits. Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapor or mist. Use with adequate ventilation and employ respiratory protection where mist or spray may be generated. Remove contaminated clothing and wash before |
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reuse. Wash hands before eating, drinking or smoking. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Storage

Keep container closed when not in use. Store at room temperature (between 39.2 and 89.6 F) in original container. Store away from sources of heat, acids and oxidizing agents. Avoid extreme temperatures. Avoid freezing. Mix well before using. Do not store near combustible materials. Keep away from heat and sources of ignition. Store in a well-ventilated area. Emergency eye wash and safety shower should be located nearby.

Section 8. Exposure Controls/Personal Protection

| Occupational Exposure Limits | Ingredient Name | ACGIH TLV | OSHA PEL | STEL |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|------|
| | Proprietary hydropolysulfide, carbonothioylbis-, disodium salt solution | N/A | N/A | N/A |
| | Other proprietary ingredients/components | N/A | N/A | N/A |
| | Sodium hydrosulfide | N/A | N/A | N/A |
| Personal Protective Equipment | Goggles, Gloves, Apron, Face Shield | | | |
| Engineering controls | Observe published airborne exposure limits. Use mechanical ventilation such as dilution and local exhaust. | | | |
| Eye protection | Wear chemical splash goggles and face shield | | | |
| Skin Protection | Wear neoprene or rubber gloves, neoprene splash apron, full protective clothing. | | | |
| Respirators | When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-face piece pressure/demand SCBA or a full-face piece supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998). | | | |

Section 9. Physical and Chemical Properties

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| Physical State | Liquid |
| Color | Light red |
| Odor | Sulfur-like |
| Odor Threshold | No data available |
| Solubility | Complete |
| Partition coefficient Water/n-octanol | No data available |
| VOC% | N/A |
| Viscosity | Similar to water |
| Specific Gravity | N/A |
| Density lbs/Gal | N/A |
| Pounds per Cubic Foot | N/A |
| Flash Point | Non-flammable |
| FP Method | N/A |
| pH | 12-12.5 |

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|---------------------------|-------------------|
| Melting Point | 0 C (32 F) |
| Boiling Point | 100 C (212 F) |
| Boiling Range | No data available |
| LEL | N/A |
| UEL | N/A |
| Evaporation Rate | Similar to water |
| Flammability | No data available |
| Decomposition Temperature | No data available |
| Auto-ignition Temperature | No data available |
| Vapor Pressure | Similar to water |
| Vapor Density | Similar to water |

Additional Information Specific gravity: 1.125-1.150

Section 10. Stability and Reactivity

Chemical stability Solid is stable in air and light. Stable under normal conditions of storage and handling.

Hazardous polymerization Hazardous polymerization will not occur under normal storage and handling.

Additional Information -Conditions to avoid: Protect product from freezing and intense heat.
 -Materials to avoid: Strong oxidizing agents and acids. Contact with acids liberates very toxic gas.
 -Hazardous decomposition products: Hydrogen sulfide gas

Section 11. Toxicological Information

Eye contact Causes serious eye damage

Skin contact Causes severe skin burns.

Ingestion No information available.

Aspiration hazard Not classified.

Sensitization to product No information available.

Carcinogenicity It is unlikely to present a carcinogenic hazard to man. No components have been identified as carcinogenic by OSHA, NTP, or IARC.

Mutagenicity No information available.

Reproductive toxicity Not classified.

Specific target organ toxicity - single exposure No information available.

Specific target organ toxicity - repeat exposure No information available.

Section 12. Ecological Information

Toxic to fish and other water organisms.

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| Bioaccumulative potential | Bioaccumulation is unlikely. Due to the high molecular weight of the polymer, diffusion through biological membranes is very small. |
| Mobility | No data available. |
| Persistence and degradability | The components of this product decompose in soil and water. |
| Additional Information | Acute aquatic toxicity data: LC50/Ceriodaphnia dubia/48hr = 56 mg/L LC50/Daphnia magna/48hr = 55.4 mg/L LC50/Pimephales promelas/96hr = 15.8 mg/L |

Section 13. Disposal

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| 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

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| UN Number | 3266 |
| UN Proper Shipping Name | UN3266, Corrosive liquid, basic, inorganic, n.o.s., (Carbonothioylbithydropolysulfide disodium salt and sodium hydrosulfide), 8, II |
| DOT Classification | Corrosive liquid |
| Packing Group | II |

Section 15. Regulatory Information

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| TSCA | The ingredients of this product are either listed on or exempt from listing on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory. |
| SARA Section 313 | Hazardous Component(s) subject to reporting under 40 CFR 372 (SARA Title III, Sec. 313): None |
| California Proposition 65 | This product does not contain any ingredients known to the State of California to cause cancer and/or reproductive harm. |
| SARA Section 311/312 Hazard Categories | Acute - Yes Chronic - No Fire - No Pressure - No Reactivity - No |

Section 16. Other Information

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| Revision Date | 1/23/2018 |
| Version Number | 3 |
| Reason for Revision | Updated Composition (Section 3) to reflect changes in composition and/or associated hazards. Updated Section 14 Transport Information Updated in accordance with new version of manufacturer document. |
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