

Aries Chemical Incorporated

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SAFETY DATA SHEET

ARIES 1674

Date: February 20, 2015; Version 1

1. IDENTIFICATION

Product name: Aries 1674
CAS#: Mixture
Other names: Flocculant
Recommended use: Water treatment
Supplier information: 6604 Depot St., P.O. Box 519
Beaver Falls, NY 13305
Tel: (315) 346-1489

Emergency Telephone: INFOTRAC (800) 535-5053

2. HAZARD IDENTIFICATION

HMIS:

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

Signal Word: Warning

Hazard Classification:

Health Hazards: Serious eye damage/eye irritation Category 2B

Hazard Statements: May cause eye irritation.

See section 4 for response, 7 for storage, 8 for prevention and 13 for disposal information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Polyacrylamide

Hazardous or Regulated Components, according to OSHA GHS classifications: None.

This product contains no WHMIS regulated (hazardous) components.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. No hazards which require special first aid measures.
Skin Contact: Wash off with soap and water, removing contaminated clothing and shoes. Wash off contaminated clothing before reuse. If skin irritation develops, get medical attention.
Eye Contact: Immediately flush eyes with water for at least 15 minutes, including under the eyelids. If possible use lukewarm water. Get medical attention if irritation persists.
Ingestion: Rinse mouth with water. Material is not expected to be harmful by ingestion. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water mist, dry chemical, carbon dioxide, water spray

Specific hazards during firefighting: Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

Protective equipment and precautions for firefighter: Wear self-contained breathing apparatus (SCBA) and full protective suit. Use NIOSH/MSHA approved respiratory protection.

Specific methods: Avoid dust accumulation.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: For personal protection, see section 8.

Environment precautions: Should not be released into the environment.

Methods for cleaning up: Product becomes slippery when wet. Shovel into suitable container for disposal. After cleaning, flush away traces of water. Prevent product from entering drains. Dispose of in compliance with local, state and national regulations.

7. HANDLING AND STORAGE

Handling: Minimize dust generation and accumulation. For personal protection, see section 8.

Storage: Store in original container. Materials to avoid: Strong oxidizing agents. Storage temperature: 4-32 °C. Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values: Contains no substances with occupational exposure limit values.

Occupational exposure controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

Eye protection: Tightly fitting safety goggles.

Skin protection: Wear protective, impervious gloves and protective clothing.

Respiratory protection: When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

Environmental exposure controls: No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Solid, powder
Color	White
Odor	Odorless
Odor threshold	No data available.
pH	6-8 +/- 0.5; aqueous solution
Boiling point/range	No information available.
Freezing point	Not applicable.
Flash point	Not applicable.
Evaporation rate	No data available.
Flammability Limits: LEL and UEL	No data available.
Vapor pressure	Not applicable.
Bulk density	650-850 kg/m ³

Density	8.40 +/- 0.5 lb/gal
Solubility (water)	Limited by viscosity.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Thermal decomposition	200 °C

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: None known.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Ammonia, carbon oxides, nitrogen oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material. Results are estimated.

Animal	LD50 Oral	LD50 Dermal	LC50 Inhalation/4 hr
Rat	> 5,000 mg/kg		> 20 mg/L
Rabbit		> 10,000 mg/kg	

Skin corrosion: May cause skin irritation.
Serious eye damage/eye irritation: May cause eye irritation.
Respiratory or skin sensitization: Not sensitizing.
Ingestion: Essentially non-toxic.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects:

Aquatic Toxicity: Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

LC50/96 h/Lepomis macrochirus (Bluegill sunfish)/Acute toxicity/OECD Test Guideline 203: > 100 mg/L.
 Remarks: fresh water

LC50/96 h/Oncorhynchus mykiss (rainbow trout)/Acute toxicity/OECD Test Guideline 203: > 100 mg/L.
 Remarks: fresh water

EC50/48 h/Daphnia magna (water flea)/Immobilization/OECD Test Guideline 202: >100 mg/L.
 Remarks: Ecotoxicological information provided based on a structurally or compositionally similar product.

IC50/72 h/Selenastrum capricornutum (green algae)/Growth inhibition/ OECD Test Guideline 201: > 100 mg/L. Remarks: Ecotoxicological information provided based on a structurally or compositionally similar product.

Toxicity to other organisms: No data available.

Biological degradability: Remarks: Exotoxicological information provided is based on a structurally or compositionally similar product. The polymeric ingredient is not readily biodegradable.
 CO₂ Evolution Test/OECD Test Guideline 301B/28 d: < 70%

Bioaccumulative potential: Unlikely because of the high molecular weight of the polymer diffusion through biological membranes is very small.

Mobility in environmental media: Water solubility: limited by viscosity. Surface tension: not applicable.

Other adverse effects: No data available.
Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment. The effects on aquatic organisms are due to an external (non-systemic) mode of action and are significantly reduces (by a factor of 7-10) within 30 minutes due to the binding of the product to dissolved organic carbon and inorganic sorbents such as clays and silts.

13. DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose of in accordance with Federal, State and Local regulations.
EPA Hazardous Waste = No

Contaminated packaging: Packages must be disposed of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Land, Sea and Air Transport: Not classified as dangerous in the meaning of transport regulations.

Special precautions for user: None known.

15. REGULATORY INFORMATION

SARA Title III Categories: No information provided.

WHMIS Classification: None present.

California Proposition 65: Not listed.

EINECS, ECL, ENCS, AICS, DSL, TSCA, PICCS, NZIoC, Chinese Inventory: All components of this product are included in these inventories or are not required to be listed on these inventories.

Taiwan Toxic Chemical Substances Control Act: All components of this product are included on this inventory.

16. OTHER INFORMATION

HMIS Ratings: Health—0; Flammability—1; Reactivity—0

NFPA Codes: Health—0; Flammability—1; Reactivity—0; Special Hazard—None

Hazard Rating Scale: Minimal—0; Slight—1; Moderate—2; Serious—3; Severe—4

SDS Issue Date: February 20, 2015

Revision Date: Version 1

Reason for Revision: New format in accordance with GHS SDS guidelines.

Key:

EINECS: European Inventory of Existing Chemical Substances.

ECL: Korean Inventory

ENCS: Japanese Inventory

AICS: Australian Inventory of Chemical Substances

DSL: Canada Domestic Substance List

TSCA: United States TSCA Chemical Inventory

PICCS: Philippine Inventory

NZIoC: New Zealand inventory.

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