



# Safety Data Sheet

## Aries 4582

### Section 1. Identification

Product Identifier	Aries 4582		
Synonyms	Defoamer; Antifoam		
Manufacturer Stock Numbers	N/A		
Recommended use	Water treatment, paper making, coatings, oil & gas production		
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	Final product is non-hazardous. - Category N/A
Signal Word	
Pictogram	
Hazard Statements	Final product is not classified as hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
Precautionary Statements	
Response	IF IN EYES: Flush with water for at least 15 minutes. Get medical attention if eye irritation develops or persists. IF INHALED: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention if cough or other symptoms occur. IF ON SKIN (or hair): Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation develops or persists. IF SWALLOWED: Do NOT induce vomiting. Drink 1 or 2 glasses of water. Consult a physician.
Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation.

Storage	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep containers tightly closed in a cool, well-ventilated place. Avoid freezing. Avoid oxidizing agents.
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 %
Proprietary	Non-hazardous	<100%

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

### Section 4. First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.
Ingestion	If ingested, drink plenty of water. Do NOT induce vomiting. Consult a physician if necessary.
Eye	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Skin	Wash with soap and water. Get medical attention if irritation develops or persists.

### Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Dry powder, carbon dioxide, foam, water spray
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.
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	Specific hazards during firefighting: This material will not burn until water has evaporated. Containers can build pressure if exposed to heat (fire). Water in the container will lead to increased pressure and risk of explosion. In case of fire, hazardous decomposition products may be produced such as carbon oxides, hydrocarbons, fumes, smoke.

## Section 6. Accidental Release Measures

**Clean-up**                      Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls/Personal Protection section.) Forms smooth, slippery surfaces on floors, posing an accident risk. Avoid runoff into storm sewers and ditches which lead to waterways. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

## Section 7. Handling and Storage

**Handling**                      Wear appropriate PPE when handling, including an approved respirator if mist or vapor levels exceed exposure limits. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and 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. Contaminated surfaces will be extremely slippery. Handle in accordance with good industrial hygiene and safety practice.

**Storage**                        Store at room temperature (between 39.2 and 89.6 F) in original container. Store in a tightly closed container. Keep from freezing. Store in a well-ventilated area. Store away from incompatible materials. Emergency eye wash and safety shower should be located nearby.

**Additional Information**      Incompatible materials: Strong oxidizing agents

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Non-hazardous	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Engineering controls	Adequate ventilation, eye-wash station and emergency shower.			
Eye protection	Tightly fitting safety goggles.			
Hand/skin protection	Wear chemical resistant gloves and clothing.			
Respiratory protection	Use NIOSH approved respirator in accordance with OSHA respiratory protection requirements if airborne concentrations exceed published exposure limits (29 CFR 1910.134).			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	White to off-white/Opaque
Odor	Mild
Odor Threshold	No data available
Solubility	Dispersible
Partition coefficient Water/n-octanol	No data available
VOC%	N/A
Viscosity	>250 cP (25 C)
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>212 F
FP Method	Closed cup



Ph	8.5-9.5
Melting Point	No data available
Boiling Point	>212 F
Boiling Range	No data available
LEL	N/A
UEL	N/A
Evaporation Rate	<1
Flammability	No data available
Decomposition Temperature	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	<17.5 mmHg @ 68 F
Vapor Density	No data available

Additional Information      Specific gravity: 0.93-0.98 @ 25 C

## 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: Avoid extreme temperatures. -Materials to avoid: Strong oxidizing agents -Hazardous decomposition products: Thermal decomposition may release fumes, smoke, oxides of carbon and hydrocarbons.

## Section 11. Toxicological Information

Acute toxicity	The product contains no substances which at their given concentration are considered to be hazardous to health.
Likely routes of exposure	Eyes, skin, inhalation, ingestion
Eye contact	May cause eye irritation.
Ingestion	Virtually nontoxic after a single ingestion.
Inhalation	High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.
Skin contact	Repeated or prolonged skin contact may cause 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.
Mutagenicity	No information available.
Reproductive toxicity	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.

## Section 12. Ecological Information

Bioaccumulative potential	No information available.
Mobility	No information available.

Persistence and degradability No information available.  
Additional Information Aquatic toxicity data:  
LC50/Pimephales promelas/96hr: 301-463 mg/L  
LC50/Ceriodaphnia dubia/48hr: 26.0-44.2 mg/L

### Section 13. Disposal

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

### 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

OSHA Hazard Communication Status None.  
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.  
Additional Information California Proposition 65: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Ethyl acrylate (140-88-5), <3.4 ppm

### Section 16. Other Information

Revision Date 8/17/2015  
Version Number 1  
HMIS Rating Health - 1; Flammability - 1; Reactivity - 0  
NFPA Rating Health - 1; Flammability - 1; Reactivity - 0  
Reason for Revision New format in accordance with GHS SDS guidelines.  
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.