

Safety Data Sheet

Aries 27409

Section 1. Identification

Product Identifier Aries 27409 **Synonyms** Flocculant

Manufacturer Stock

Numbers

N/A

Recommended use Water treatment, process aid

Uses advised against N/A

Manufacturer Contact

Address

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INFOTRAC

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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

IF IN EYES: Rinse eyes with water for 15 minutes, lifting eyelids often. Seek Response

medical attention immediately.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. No hazards which require special fire aid measures. If you feel unwell, seek

medical attention.

IF ON SKIN (or hair): Immediately remove contaminated clothing and flush skin thoroughly with water. Wash clothing before reuse. Seek medical attention if irritation persists.

IF SWALLOWED: Rinse mouth with water. Do NOT induce vomiting. Seek

immediate medical attention.

Prevention Avoid contact with eyes, skin and clothing.

Avoid release to the environment.

Do not cut, weld or grind near containers.

Take any precaution to avoid mixing with oxizing agents as it may cause

exothermic reactions.

Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Store away from sources of heat and ignition. Store in a cool, dry place. Do not

allow to freeze as it will affect the physicial condition and may damage the

material.

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

regulations.

General Spills produce extremely slippery surfaces.

Ingredients of unknown

toxicity

Storage

0%

Hazards not Otherwise

Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
124-04-9	Adipic acid	<2%
69011-36-5	Poly(oxy-1,2-ethanediyl), .alphatridecylomegahydroxy-, branched	<3%
64742-47-8	Distillates, petroleum, hydrotreated light	20% - 30%

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

Section 4. First-Aid Measures

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. Get medical attention

immediately.

Ingestion If swallowed, DO NOT induce vomiting. Rinse mouth and get emergency medical

attention. Do not give anything by mouth unless instructed to do so by a poison

center or health care provider.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, give oxygen. Get medical attention if symptoms occur.

Skin Remove contaminated clothing. Wash skin with soap and water. Get medical

attention if necessary.

Section 5. Fire Fighting Measures

Suitable Extinguishing

Media

Water, water spray, foam, carbon dioxide or dry chemical

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.

Specific hazards
Additional Information

Spilled product may cause slippery surface and fall hazard.

Unusual fire and explosion hazards: Thermal decomposition may release oxides of carbon and nitrogen, ammonia, hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen

deficient atmosphere.

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. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container. After removal, flush contaminated area thoroughly with water. Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7. Handling and Storage

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. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Wash thoroughly after handling. Wash hands before eating, drinking or smoking. Do NOT handle, store or open near an open flame, sources of heat or sources of ignition. Do not cut, grind or weld on or near container. Contaminated surfaces will be extremely slippery. Handle in accordance with

good industrial hygiene and safety practice.

Storage Store in a cool dry place. Keep from freezing. Store away from incompatible

materials. Emergency eye wash and safety shower should be located nearby.

Additional Information Incompatible materials: Oxidizing agents

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Adipic acid	5 mg/m3	N/A	N/A
	Poly(oxy-1,2-ethanediyl), .alphatridecylomegahydroxy-, branched	N/A	N/A	N/A
	Distillates, petroleum, hydrotreated light	1200 mg/m3	1200 mg/m3	N/A

Personal Protective Equipment

Goggles, Gloves, Apron

Engineering controls
Eye protection

Adequate ventilation, eye-wash station and emergency shower.

Tightly fitting safety goggles.

Hand/skin protection

Wear chemical resistant gloves and clothing.

protection requirements if airborne concentrations exceed published exposure

limits (29 CFR 1910.134).

Section 9. Physical and Chemical Properties

Physical State	Liquid	
Color	Milky/Viscous	

Odor	Aliphatic
Odor Threshold	No data available.
Solubility	Completely miscible
Partition coefficient Water/n-octanol	Not applicable
VOC%	N/A
Viscosity	>20.5 mm2/s @ 40 C
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	Does not flash
FP Method	N/A
Ph	4 - 6 @ 5 g/L
Melting Point	<5 C
Boiling Point	>100 C
Boiling Range	No data available
LEL	N/A
UEL	N/A
Evaporation Rate	No data available
Flammability	Not applicable
Decomposition Temperature	>150 C
Auto-ignition Temperature	Not applicable
Vapor Pressure	2.3 kPa @ 20 C
Vapor Density	0.804 g/L @ 20 C

Additional Information Specific gravity = 1.03-1.05

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: Protect from frost, heat and sunlight. Store away from

sources of heat and ignition. Do not cut, grind or weld near containers. -Materials to avoid: Oxizing agents may cause exothermic reactions.

-Hazardous decomposition products: Carbon and nitrogen oxides, ammonia, hydrogen chloride gas. Hydrogen cyanide (hydrocyanic acid) may be produced

in the event of combustion in an oxygen deficient atmosphere.

Section 11. Toxicological Information

Likely routes of exposure Skin, Eye

Eye contact May cause eye irritation.
Skin contact May cause mild irritation.

Ingestion Virtually nontoxic after a single ingestion.

Inhalation Material is not expected to be harmful if inhaled.

Aspiration hazard Not classified. Sensitization Not classified.

Carcinogenicity No components have been identified as carcinogenic by OSHA, NTP or IARC.

Embryotoxicity No information available.

Mutagenicity Not classified. Reproductive toxicity Not classified.

Specific target organ toxicity Not classified.

- single exposure

Specific target organ toxicity-repeated exposure

Not classified.

Additional Information

Acute Toxicity Data:

-Product

LD50/oral/rat: > 5,000 mg/kg LD50/dermal/rat: > 5,000 mg/kg

-Distillates (petroleum), hydrotreated light (64742-47-8)

LD50/oral/rat: > 5,000 mg/kg (OECD 401) LD50/dermal/rabbit: > 5,000 mg/kg (OECD 402) LC50/inhalation/4hr/rat = 4,951 mg/m3 (OECD 403)

-Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched (69011-36-

5)

LD50/oral/rat = 200-300 mg/kg LD50/dermal/rabbit > 2,000 mg/kg LC50/Inhalation: No data available.

-Adipic acid (124-04-9) LD50/Oral/Rat: >2,000 mg/kg LD50/Dermal/Rabbit: >2,000 mg/kg LC50/Inhalation/Rat/4hr: >7.7 mg/L

Section 12. Ecological Information

Bioaccumulative potential This product is not expected to bioaccumulate.

Persistence and Degradation

Readily biodegradable.

Hydrolysis At natural pHs (>6), the polymer degrades due to the hydrolysis to more than

70% in 28 days. The hydrolysis products are not harmful to aquatic organisms.

Mobility No information available.

Additional Information Aquatic toxicity data:

-Fish: LC50/Fish/96hr: 10-100 mg/L (Estimated)

-Invertebrates: EC50/Daphnia magna/48hr: 10-100 mg/L (Estimated)

-Algae: Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous

distribution, which invalidates the test.

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 FEDERAL REGULATIONS

-CERCLA Hazardous Substances List (40 CFR 302.4): Adipic acid (124-04-9),

RQ = 5,000 lbs

STATE REGULATIONS

-California Proposition 65: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm:

Acrylamide (79-06-1), <0.01% by wt.

Section 16. Other Information

Revision Date 8/5/2015

Version Number 1

HMIS Health - 0; Flammability - 1; Reactivity - 0
NFPA Health - 0; Flammability - 1; Reactivity - 0

HMIS and NFPA Rating

Scale

Reason for Revision

Disclaimer

New format in accordance with GHS SDS guidelines.

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 refinance thereon of such data and is offered

solely for your consideration, investigation and verification.

Minimal - 0; Slight - 1; Moderate - 2; Serious - 3; Severe - 4