



Safety Data Sheet

Aries 27619

Section 1. Identification

Product Identifier Aries 27619
Synonyms Flocculant
Manufacturer Stock
Numbers N/A

Recommended use Water treatment, process aid
Uses advised against N/A

Manufacturer Contact

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Section 2. Hazards Identification

Classification

EYE DAMAGE/IRRITATION - Category 2B
SKIN CORROSION/IRRITATION - Category 2

Signal Word

Warning

Pictogram



Hazard Statements	Causes skin irritation Serious eye damage/irritation
Precautionary Statements	
Response	If eye irritation persists: Call a POISON CENTER or doctor/physician. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. If swallowed: Rinse mouth and drink plenty of water. Do NOT induce vomiting. Seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Take off contaminated clothing and wash it before reuse.
Prevention	Wash with plenty of soap and water thoroughly after handling. Wear protective gloves.
Storage	Avoid extreme temperatures. Store in a dry place. Store 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	
Additional Information	High risk of slipping due to leakage/spillage of product.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64742-47-8	Distillates, petroleum, hydrotreated light	20% - 50%
78330-21-9	Alcohols, C11-14-iso-, C13-rich, ethoxylated	<3.0 %
124-04-9	Adipic acid	<1.0 %

false

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

Section 4. First-Aid Measures

Skin	IF ON SKIN: Immediately remove all contaminated clothing. Wash affected areas with soap and water. Use an emergency shower if available. Seek medical attention. Wash contaminated clothing before reuse.
Inhalation	If inhaled: Keep patient calm, remove to fresh air, seek medical attention.
Eye	IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If possible use lukewarm water. Consult an eye specialist if irritation occurs.
Ingestion	IF SWALLOWED, do NOT induce vomiting. Rinse mouth and then drink plenty of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, acute or delayed	Symptoms: Eye irritation, skin irritation, CNS depression. Hazards: No hazard is expected under intended use and appropriate handling.
Treatment	All treatments should be based on observed signs and symptoms of distress in the patient. Treat symptomatically. No known specific antidote.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Dry powder, foam, water spray Wear self-contained breathing apparatus and protective suit. The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.
Unsuitable Extinguishing Media	Water Jet
Special hazards	Evolution of fumes/fog. Harmful vapors. Spilled product is slippery underfoot. Very slippery when wet.
Protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
Additional Information	If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist. The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6. Accidental Release Measures

Clean-up	Clean up spills immediately, observing precautions in Protective Equipment Section 8. Keep people away and stay on the upwind side. Spills should be contained, solidified, and placed in suitable containers for disposal.
Environmental precautions	Prevent product from entering drains/surface waters/groundwater. Cover the drains.
Additional Information	High risk of slipping due to leakage/spillage of product.

Section 7. Handling and Storage

Handling	Use spark-proof tools and equipment. Do NOT handle, store or open near an open flame, sources of heat or sources of ignition - No smoking. Take precautionary measures against static discharges.
Precautionary Measures	Keep away from sources of ignition – No smoking.
Storage	Keep from freezing. Avoid extremely high temperatures. Store in a tightly closed container. Store in a cool, dry, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Distillates, petroleum, hydrotreated light	1200 mg/m3	1200 mg/m3	N/A
	Alcohols, C11-14-iso-, C13-rich, ethoxylated	N/A	N/A	N/A
	Adipic acid	5 mg/m3	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Apron, Face Shield			
Body protection	Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.			
Hand/skin protection	Wear chemical resistant gloves and impermeable protective clothing.			
Eye protection	Use approved safety goggles or safety glasses, as described in OSHA 29 CFR 1910.133. Splash goggles with a faceshield may be needed if splash hazards exist.			
Respiratory protection	Wear respiratory protection if ventilation is inadequate. If needed, wear a NIOSH-approved air purifying respirator with an organic vapor cartridge or canister with particulate pre-filter.			
Skin protection	While there is a possibility of skin contact, rubber gloves and boots impervious to liquid material should be worn.			
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using, do not eat, drink, or smoke. Follow up on any medical surveillance requirements.			

Section 9. Physical and Chemical Properties

Physical State	emulsion
Color	cream, almost white
Odor	mineral-oil like
Odor Threshold	No data available
Solubility	dispersible in water
Partition coefficient Water/n-octanol	No data available.
VOC%	N/A
Viscosity	1000-1500 mPa.s (dynamic)
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>100 C *
FP Method	No flash point
pH	~4
Melting Point	not determined
Boiling Point	> 100 C**
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	See additional info
Flammability	not highly flammable
Decomposition Temperature	N/A

Auto-ignition Temperature	Not determined
Vapor Pressure	No data available
Vapor Density	No data available

Additional Information *No flash point - measurement made up to the indicated temperature, pilot light extinguishes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
** The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Evaporation rate - Value can be approximated from Henry's Law Constant or vapor pressure.
% volatiles: 23.9%

Section 10. Stability and Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed/indicated. No corrosive effect on metal. Not fire propagating.

Chemical stability Stable under normal conditions of storage and handling.

Conditions to avoid Avoid extreme temperatures. Avoid freezing. Avoid all sources of ignition: heat, sparks, open flame.

Hazardous decomposition products No hazardous decomposition products if stored and handled as prescribed/indicated.

Materials to avoid Reactive chemicals. Strong acids, strong bases, oxidizers.

Section 11. Toxicological Information

Likely routes of exposure Solids and liquids: Ingestion and inhalation, but may include eye or skin contact.
Gases: Inhalation and eye contact.
Skin contact may be a route of entry for liquefied gases.

Skin Contact Causes skin irritation.

Skin sensitization Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

Aspiration hazard No aspiration hazard expected.

Repeated dose toxicity Not to be expected. This product has not been tested. The statement has been derived from the properties of the individual components.

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

Reproductive effects There is no suspicion of a toxic effect on reproduction.

Teratogenicity There is no suspicion of a teratogenic effect.

Additional Information Acute toxicity data:
Virtually nontoxic after a single ingestion.

LD50/Oral/Rat: >2,000mg/kg
The product has not been tested. The statements on toxicology have been derived from products of similar structure and composition.

Skin: Rabbit/Result: Irritant (OECD Guideline 404)
Eye: Rabbit/Result: Irritant

Section 12. Ecological Information

Aquatic toxicity	Highly/very toxic to fish and other water organisms.
Bioaccumulative potential	This product is not expected to bioaccumulate.
Additional Information	<p>Aquatic toxicity: Acutely harmful for aquatic organisms.</p> <p>Toxicity to fish: LC50 (96h) 10-100 mg/L, <i>Oncorhynchus mykiss</i> (under static condition in the presence of 10 mg/L humic acid). The product has not been tested. The statement has been derived from the substances/products of a similar structure or composition.</p> <p>Aquatic invertebrates: EC 50 (48h) 10-100 mg/L, <i>Daphnia</i> (under static conditions in the presence of 10 mg/L humic acid)</p> <p>Aquatic toxicity: Information on: cationic polyacrylamide The hydrolysis products are not acutely harmful to aquatic organisms. Acute effects on aquatic organism are due to the cationic charge of the polymer, which is quickly neutralized in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon. Fish toxicity and aquatic toxicity are drastically reduced by rapid irreversible adsorption onto suspended and/or dissolved organic matter.</p> <p>Persistence and degradability: Not readily biodegradable (by OECD criteria). The substance can be virtually eliminated from water in suitable effluent treatment plants by biodegradation, stripping and mechanical separation. Information on : cationic polyacrylamide (pH >6) In contact with water the substance will hydrolyze rapidly.</p> <p>Bioaccumulation potential: Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.</p> <p>Mobility in soil: Assessment transport between environmental compartments: No data available. Information on: cationic polyacrylamide Adsorption to solid soil phase is expected.</p> <p>Other ecotoxicological advice: Must not be discharged into the environment. The product has not been tested. The statement is derived from products of a similar structure and composition.</p>

Section 13. Disposal

Disposal	Dispose of in accordance with federal, state and local regulations. Do not discharge into sewer or surface water.
Container disposal	Recommended: Crushing, puncturing or other means to prevent unauthorized use of used containers.
RCRA status	Not a hazardous waste under RCRA (40 CFR 261).

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 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:

California Proposition 65: This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm: Acrylamide

State Right-to-Know Regulations:
-64742-47-8 Distillates (petroleum), hydrotreated light: Pennsylvania, New Jersey, Massachusetts

Section 16. Other Information

Revision Date 1/12/2021

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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.