

ARIES CHEMICAL INCORPORATED

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1668

SECTION I - GENERAL INFORMATION

TRADE NAME:
Aries1668

EMERGENCY PHONE NO:
INFOTRAC: (800) 535-5053

CHEMICAL NAME:
Anionic Flocculant

DISTRIBUTOR'S D-U-N-S NO:
14-861-3045

HAZARDOUS MATERIAL DESCRIPTION: Non Hazardous
EMERGENCY RESPONSE GUIDE#: NA
SHIPPING NUMBER: N/A
REPORTABLE QUANTITY: NA

SYNONYMS:
None

FORMULA:
Polymer

CHEMICAL FAMILY:
Anionic polyacrylamide

MOLECULAR WEIGHT:
N/A

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS **% BY WT.** **CAS NO.** **TWA**
OSHA **ACGIH**
No permissible exposure limits (PEL/TLV) have been established by OSHA or ACGIH

TSCA (Toxic Substances Control Act) Status: The components of this product are listed on the TSCA Inventory.

HAZARD RATING	HEALTH	0	REACTIVITY	0
	FIRE	1	SPECIAL	B

SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
0.75-0.95 g/ml

pH:
5-7

BOILING POINT:
N/A

SOLUBILITY IN WATER:
Limited by Viscosity

VAPOR PRESSURE:
N/A

PERCENT VOLATILE BY VOLUME:
10-13

EVAPORATION RATE:
N/A

APPEARANCE AND ODOR: Off-white granular powder, odorless.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
N/A

FLAMMABLE LIMITS:
LEL: N/A UEL: N/A

AUTO IGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Water spray or fog, carbon dioxide or dry chemical. Treat surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Use above media to extinguish fires. Wear positive pressure breathing apparatus and fire fighting protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal decomposition may release oxides of nitrogen, carbon monoxide, carbon dioxide, and ammonia. As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE: The product has an acute oral (rat) LD50 and an acute dermal (rabbit) LD50 and 4-hour inhalation (rat) LC50 values for this material are >2,500 mg/kg and > 10,000 mg/kg and > 20 mg/L, respectively. This product produced no eye irritation and no dermal irritation during primary irritation tests in laboratory animal tests.

INGESTION: Drink copious quantities of water. Seek medical attention.

SKIN CONTACT: Avoid unnecessary skin contact. Wash affected area with soap and water. If irritation persists, seek medical assistance.

EYE CONTACT: Flush immediately with large quantities of water, lifting eyelids often. Seek medical assistance.

INHALATION: The inhalation of the vapors is not likely to cause adverse health effects. Remove to fresh air.

CARCINOGENICITY: Not a carcinogen.

SECTION 6 - REACTIVITY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATION:
Will not occur

CONDITIONS TO AVOID: None known.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, ammonia, and/or oxides of nitrogen.

SECTION 7 – SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Spills become very slippery when wet. Sweep up spills, flush area with water very thoroughly. If slipperiness remains, utilize dry-sweeping compound.

WASTE DISPOSAL METHODS: Dispose of in accordance with applicable governmental regulations.

ENVIRONMENTAL TOXICITY DATA:

ALGAE TEST RESULTS: Test: Growth Inhibition (OECD 201) Duration: 72 hr, Species: Green Algae (*Selenastrum capricornutum*) >100 mg/l IC50
Test: Acute Alga Toxicity, seawater (ISO 10253) Duration: 72 hr
Species: Marine Algae (*Skeletonema costatum*) 2276 mg/l IC50

FISH TEST RESULTS: Test: Acute toxicity, freshwater (OECD 203) Duration: 96 hr,
Species: Zebra Fish (*Brachydanio rerio*) >100 mg/l LC50
Species: Bluegill Sunfish (*Lepomis macrochirus*) 180 mg/l LC50
Species: Rainbow Trout (*Oncorhynchus mykiss*) 130 mg/l LC50
Species: Fathead Minnow (*Pimephales promelas*) 670 mg/l LC50

INVERTEBRATE TEST RESULTS:

Test: Acute Immobilization (OECD 202) Duration: 48 hr,
Species: Water Flea (*Daphnia magna*) >100 mg/l EC50
Species: Marine Copepod (*Acartia tonsa*) 342 mg/l EC50
Species: Marine Amphipod (*Corophium volutator*) 1415 mg/l EC50 Duration: 10 day

DEGRADATION: Test: Closed Bottle (OECD 301D) Duration: 28 day, Procedure: Ready biodegradability. <10%
Test: Seawater Shake Flask Method (OECD 306) Duration: 28 day
Procedure: Biodegradability in seawater 1.7%

HAZARDOUS WASTE 40CFR261: N/A

HAZARDOUS WASTE NO: N/A

CONTAINER DISPOSAL: N/A

SECTION 8 - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Avoid breathing product. Wear NIOSH approved dust respirator when dusts are present.

EYE PROTECTION: Safety goggles.

PROTECTION CLOTHING: Impervious gloves.

VENTILATION: None generally needed.

OTHER: Eye wash and safety shower should be located nearby.

SECTION 9 – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in dry area. Product will cake when wet. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers.

OTHER PRECAUTIONS: Avoid contact with eyes. Before eating, drinking or smoking, wash face and hands thoroughly with soap and water.

SECTION 10 – REGULATORY INFORMATION

SECTION 313 - SUPPLIER NOTIFICATION

THIS PRODUCT DOES NOT CONTAIN ANY TOXIC CHEMICALS WHICH ARE REPORTABLE UNDER SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

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