

KRETUS GROUP®



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: KRETUS® Acrylic Admix, concentrate

Recommended Use: [Recommended use of the chemical (e.g., a brief description of what it actually does, such as a flame retardant) and any restrictions on use (including recommendations given by the supplier).]

Manufacturer: Kretus Group®, 1426 W. Collins Ave., Orange, CA 92867

Telephone: (714) 681-2286

24 Hour Emergency Telephone Number: (800) 255-3924 (CHEMTEL)

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

Comments: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Product Act.

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Hazard Classification

no data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Common Name or Synonyms	CAS No.	Impurities or Stabilizing Additives	Concentration (% by Weight)
Acrylic polymer(s)	Not hazardous	--	>=46.0-48.0%
Residual monomers	Not available	--	<0.05%
Aqua ammonia	1336-21-6	--	<=0.2%
Water	7732-18-5	--	>=52.0-54.0%

SECTION 4: FIRST-AID MEASURES

Eyes

Rinse with plenty of water. If eye irritation persists, consult a specialist.

Skin

Wash with water and soap as a precaution. If skin irritation persists, call a physician.

Inhalation

Move to fresh air.

Ingestion

Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in SECTION 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media

no data available

Special Risks/Hazards

Material can splatter above 100°C/212°F. Dried product can burn.

Special Protective Equipment for Fire-Fighting

Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental Precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water

Methods and Materials for Containment and Clean-up

Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe-Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for Safe Storage

Keep from freezing—product stability may be affected. STIR WELL BEFORE USE.

Storage temperature: 1-49°C (34-120°F)

Other data: Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Use local exhaust ventilation with a minimum capture velocity of 100 ft/min (0.5 m/sec) at the point of vapor evolution. Refer to the current edition of *Industrial Ventilation: A Manual of Recommended Practice* published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Protective Measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Eye/Face Protection: Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Skin/Hand Protection: Neoprene gloves provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection.)

Respiratory Protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH-approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH-approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid, milky, white
Odor	Ammonia
Odor Threshold	no data available
PH	9.3-10.0
Melting/Freezing Point	0°C (32°F) Water
Initial Boiling Point and Boiling Range	no data available
Flash Point	100°C (212°F) Water Noncombustible
Evaporation Rate (Butyl Acetate = 1)	<1 Water
Flammability	not applicable
Upper/Lower Flammability or Explosive Limits	not applicable
Explosion Limits: lower	not applicable
Auto-ignition Temperature	not applicable
Vapor Pressure	17 mmHg at 20°C (68°F) Water
Vapor Density (air = 1)	<1 Water
Relative Density (water = 1)	1.0-1.2
Solubility(ies)	Dilutable in water
Partition Coefficient: n-octanol/water	no data available
Auto-ignition Temperature	not applicable
Decomposition Temperature	no data available
Dynamic Viscosity	10-40 mPa.s
Kinetic Viscosity	no data available
Explosive properties	no data available

Oxidizing properties	no data available
Molecular weight	no data available
Percent volatility	52-54% Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: no data available

Chemical Stability: Stable

Possibility of Hazardous Reactions: None known. Product will not undergo polymerization.

Conditions to Avoid: no data available

Incompatible Materials: There are no known materials which are incompatible with this product.

Hazardous Decomposition Products: Thermal decomposition may yield acrylic monomers.

SECTION 11: TOXICOLOGICAL INFORMATION

After inhalation: May be harmful.

After eye contact: May irritate.

After skin contact: No hazard expected after contact with small quantities.

After ingestion: No hazard expected after contact with small quantities.

Toxicological information on this product or its components appear in this section when such data is available.

Acute Toxicity

Acute oral toxicity

LD50, Rat, > 5,000 mg/kg

Acute dermal toxicity

LD50, Rabbit, > 5,000 mg/kg

Acute inhalation toxicity

Acute toxicity estimate, 4 Hour, vapour, > 40 mg/l Calculation method

Skin Corrosion/Irritation

May cause transient irritation.

Serious Eye Damage/Eye Irritation

No eye irritation

Sensitization

Product test data not available.

Specific Target Organ Systemic Toxicity (Single Exposure)

Product test data not available.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Product test data not available.

Carcinogenicity

Product test data not available.

Teratogenicity

Product test data not available.

Reproductive Toxicity

Product test data not available.

Mutagenicity

Product test data not available.

Aspiration Hazard

Product test data not available.

Additional information: No data are available for this material. The information shown is based on profiles of compositionally similar materials.

COMPONENTS INFLUENCING TOXICOLOGY:

Aqua ammonia

Sensitization

For skin sensitization: No relevant data found.

For respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Carcinogenicity

Did not cause cancer in laboratory animals.

Teratogenicity

Available data are inadequate for evaluation of potential to cause fetotoxicity.

Reproductive toxicity

Available data are inadequate to determine effects on reproduction.

Mutagenicity

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

General Information

There is no data available for this product.

Toxicity

Acrylic polymer(s)

Acute toxicity to fish: No relevant data found.

Residual monomers

Acute toxicity to fish: No relevant data found.

Aqua ammonia

Acute toxicity to fish: Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).

LC50, Fish., 96 Hour, 0.89 mg/l

Acute toxicity to aquatic invertebrates: LC50, Daphnia magna (Water flea), static test, 48 Hour, 101 mg/l

Persistence and Degradability

Acrylic polymer(s)

Biodegradability: No relevant data found.

Residual monomers

Biodegradability: No relevant data found.

Aqua ammonia

Biodegradability: Material is expected to be readily biodegradable. Biodegradation may occur under aerobic conditions (in the presence of oxygen).

Theoretical Oxygen Demand: 3.76 mg/mg Estimated.

Bioaccumulative Potential**Acrylic polymer(s)**

Bioaccumulation: No relevant data found.

Residual monomers

Bioaccumulation: No relevant data found.

Aqua ammonia

Bioaccumulation: Partitioning from water to n-octanol is not applicable.

Mobility in Soil**Residual monomers**

No relevant data found.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION**DOT**

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport. **Transport in bulk** according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code Classification for AIR transport (IATA/ICAO). Consult IMO regulations before transporting ocean bulk.

Classification for AIR transport (IATA/ICAO):

Not regulated for transport.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION**OSHA Hazard Communication Standard**

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

Releases of this material to air, land, or water are not reportable to the National Response Center under the

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency

planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: OTHER INFORMATION

HMIS

Health Hazard: 1

Flammability: 0

Physical Hazards: 0

Personal Protection: See Section 8

Prepared by Kretus Group

Revision date 05-23-18

Revision Note: No information available

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.