



KRETUS®

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: KRETUS® Slow Control (Acrylic Polymer Concrete Part C)

Recommended Use: For professional use only.

Manufacturer: Kretus, 1055 W. Struck Ave., Orange, CA 92867

Telephone: (714) 694-2061

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 CFR1910.1200, 91/155/EEC.

SECTION 2: HAZARD IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

GHS label elements

No labeling elements required.

Hazards Not Otherwise Classified

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Chemical Name	CAS No.	Concentration (% by Weight)
Trade Secret	--	--

SECTION 4: FIRST-AID MEASURES

General: No hazards which require special first aid measures.

Contact with Eyes

Rinse immediately with plenty of water and seek medical advice. Remove contact lenses if present and easy to do.

Contact with Skin

Immediately flush skin with large amounts of water.

Inhalation

If breathed in, move person into fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed: None known.

Notes to physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, dry powder, carbon dioxide (CO₂) foam

Unsuitable Extinguishing Media

High-volume water jet

Special Risks

Do not use a solid water stream as it may scatter and spread fire.

Hazardous decomposition products formed under fire conditions

Carbon dioxide (CO₂), carbon monoxide.

Special Protective Equipment for Fire-Fighting

In the event of fire, wear self-contained breathing apparatus. Wear fire resistant or flame retardant clothing.

Specific Extinguishing Methods

Standard procedure for chemical fires.

Further Information

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

In the event of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid breathing dust. Ensure adequate ventilation, especially in confined areas. Refer to protective measures listed in sections 7 and 8.

Environmental Precautions

No special environmental precautions required.

Methods and Materials for Containment and Clean-up

Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7: HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Materials to avoid: No materials to be especially mentioned.

Precautions for Safe-Handling

Do not breathe dust. Avoid contact with skin and eyes. For personal protection see section 8.

Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter. Use NIOSH-approved respiratory protection. Provide adequate ventilation.

Eye/face protection: Safety glasses.

Hand/skin protection: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.

For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

Engineering measures: Personal protective equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline solid; white
Odor	odorless
Odor Threshold	Not relevant.
pH	7.5 - 9.0 (77 °F) Concentration: 5 %
Melting/Freezing Point	> 302 °F Decomposition
Initial Boiling Point and Boiling Range	Not applicable.
Flash Point	Not applicable.
Evaporation Rate	Not applicable.
Flammability	Does not ignite.
Upper/Lower Flammability or Explosive Limits	No data available.
Auto-ignition Temperature	No data available.
Vapor Pressure	Not applicable.
Vapor Density	Not applicable.
Relative Density/Specific Gravity	No data available.
Density	1.86 g/cm ³ (68 °F)
Solubility(ies)	Water: 400 - 700 g/l (68 - 77 °F)
Partition Coefficient: n-octanol/water	log Pow: -1.8 - -0.2 Calculation
Auto-ignition Temperature	No data available
Decomposition Temperature	Decomposes before melting.
Viscosity	Not applicable.
Explosive Properties	Not explosive.
Oxidizing properties	No oxidizing effect.
Molecular weight	294.1 g/mol
Dust explosion class	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Conditions to be avoided: Avoid dust formation.

Substances to be avoided: No data available.

Hazardous Decomposition Products: Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

Carbon dioxide (CO₂), carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Toxicity****Acute oral toxicity:**

LD50 Oral (Mouse): 5,400 mg/kg, Method: OECD Test Guideline 401, Test substance: Non-neutralized product

LD50 Oral (Rat): 11,700 mg/kg, Method: OECD Test Guideline 401, Test substance: Non-neutralized product

Acute dermal toxicity:

LD50 Dermal (Rat): > 2,000 mg/kg, Test substance: Non-neutralized product

Skin corrosion/irritation:

Species: Rabbit, Method: OECD Test Guideline 404, Result: No skin irritation

Serious eye damage/eye irritation:

Species: Rabbit, Result: No eye irritation, Method: OECD Test Guideline 405

Respiratory or skin sensitization:

Test Type: Maximization Test, Species: Guinea pig, Method: OECD Test Guideline 406, Result: Does not cause skin sensitization.

No human information is available.

Germ Cell Mutagenicity**Genotoxicity in vitro:**

Test Type: Ames test, Species: Salmonella typhimurium, Concentration: 0.0 - 10 mg/plate, Method: Mutagenicity (Salmonella typhimurium - reverse mu- tation assay), Result: negative.

Information given is based on data obtained from similar substances.

Genotoxicity in vivo:

Test Type: in vivo assay, Species: Rat, Application Route: Oral, Method: OECD Test Guideline 475, Result: negative, Test substance: Non-neutralized product.

Germ cell mutagenicity – Assessment:

In vitro tests did not show mutagenic effects.

Carcinogenicity: Not classifiable as a human carcinogen.

Reproductive toxicity: No toxicity to reproduction.

STOT - single exposure: No data available.

STOT - repeated exposure: No data available.

Repeated dose toxicity

Species: Rat, NOAEL: 8,000 mg/kg LOAEL: 16,000 mg/kg, Application Route: Oral, Exposure time: 10 d, Dose: 2, 4, 8, 16 g/kg bw/day

Aspiration toxicity: No aspiration toxicity classification.

Experience with Human Exposure

Inhalation

Target Organs: Respiratory system
Symptoms: No information available.

Skin Contact

Target Organs: Skin
Symptoms: No information available.

Eye Contact

Target Organs: Eyes
Symptoms: No information available.

Ingestion

Target Organs: Digestive organs
Symptoms: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish:

LC50 (Oncorhynchus tshawytscha (chinook salmon)): > 10 mg/l, Exposure time: 24 h, Test Type: semi-static test.
LC50 (Leuciscus idus (Golden orfe)): 440 mg/l, Exposure time: 48 h, Test Type: static test, Test substance: Non-neutralized product.

Toxicity to daphnia and other aquatic invertebrates:

LC50 (Daphnia magna (Water flea)): 1,535 mg/l, Exposure time: 24 h, Test Type: static test, Test substance: Non-neutralized product Method: OECD Test Guideline 202.
EC50 (Dreissena polymorpha): > 50 mg/l, Exposure time: 48 h, Test Type: static test.

Toxicity to algae:

NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/l, Exposure time: 8 d, Test Type: static test, Test substance: Non-neutralized product.

Toxicity to microorganisms:

TT (Pseudomonas putida): > 10,000 mg/l, Exposure time: 16 h, Test substance: Non-neutralized product.

Persistence and Degradability

Biodegradability:

Biodegradation: 97%, Testing period: 28 d, Method: OECD Test Guideline 301B Test substance: Non-neutralized product
Readily biodegradable.
Biodegradation: 100%, Information given is based on data obtained from similar substances.

Physicochemical removability: Readily biodegradable.

Bioaccumulative Potential

Partition coefficient: n- octanol/water: log Pow: -1.8 - - 0.2 Calculation

Bioaccumulation: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

Mobility in soil: No data available.

Other Adverse Effects

Results of PBT and vPvB assessment: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information: This product has no known ecotoxicological effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues: In accordance with local and national regulations. Where possible recycling is preferred to disposal or incineration.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Transport Hazard Classes	Packing Group	Environmental Hazards
DOT	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IMO/IMDG	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IATA/CAO	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated

SECTION 15: REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards: No SARA Hazards.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

California Prop. 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

EINECS: On the inventory, or in compliance with the inventory.

TSCA: On TSCA Inventory.

TSCA_12b: Not applicable.

DSL: All components of this product are on the Canadian DSL.

REACH: On the inventory, or in compliance with the inventory.

SECTION 16: OTHER INFORMATION

Prepared by Kretus Inc.

Revision Date 1/16/23

Revision Note Reformatting

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.