



KRETUS®

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Urethane Polymer Concrete Colorant

Recommended Use: For residential and industrial use

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 and Canadian Hazardous Product Act.

SECTION 2: HAZARD IDENTIFICATION

Specific Target Organ – Single Exposure (Narcotic Effects): Category 3

Skin Corrosion/Irritation: Category 3

Eye Irritation: Category 1

Carcinogenicity: Category 1B

Aspiration Hazard: Category 2

Danger

Causes serious eye damage. May cause an allergic skin reaction.



Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

Dispose of contents and containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

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)
Titanium dioxide	13463-67-7	20 - <60 %
Talc	000098-56-6	5 - <15 %
Oxide Colorants	Proprietary	20 - 30%

SECTION 4: FIRST-AID MEASURES

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

Contact with Eyes

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

Contact with Skin

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

Inhalation

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

Ingestion

In case of consumption, seek immediate medical assistance showing the SDS of this product.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of fire as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

Special Risks

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Special Protective Equipment for Fire-Fighting

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, ...).

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (see Section 8). Evacuate the area and keep out those who do not have protection.

Environmental Precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

Methods and Materials for Containment and Clean-up:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult Section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe-Handling

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (see Section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Conditions for Safe Storage

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

It is recommended to have absorbent material available at close proximity to the product.

Storage Temperature

Minimum: 30°C

Maximum: 5°C

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Chemical name	Environmental Limits	
Titanium dioxide	PEL TWA: PEL STEL:	15 mg/m ³
Talc	PEL TWA: PEL STEL:	20 ppm

Engineering Measures: Work in well ventilated area. Provide natural or explosion-proof fan to ensure adequate ventilation, especially in confined area. Avoid contact with skin, eyes, and clothing.

Environmental exposure controls: Construct a dike to prevent spreading. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Respiratory: In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eyes: Splash-proof safety glasses.

Skin: Rubber or plastic apron. Rubber or plastic gloves. Long sleeved clothing or wear protective sleeves. Remove and wash contaminated clothing before re-use.

Other protective equipment information: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Neoprene gloves. PVC disposable gloves. Nitrile rubber. Butyl-rubber. Impervious gloves. (The breakthrough time of the selected glove(s) must be greater than the intended use period.)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid; many colors
Odor Threshold	none established
pH	none established
Melting/Freezing Point	none established
Initial Boiling Point and Boiling Range	100 – 2230°C
Flash Point	>60°C
Method	closed cup
Evaporation Rate	none established
Vapor Pressure	2350 Pa @ 20°C
Vapor Density	2070 kg/m ³
Relative Density	0.79
Solubility(ies)	soluble in water
WPG	12-16 lbs.
VOC	0 mg/L

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions. Hazardous reactions will not occur.

Conditions to be avoided

Flames, Sparks, Heat.

Substances to be avoided

Applicable for handling and storage at room temperature:

Further information

none

SECTION 11: TOXICOLOGICAL INFORMATION

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Titanium Dioxide	10000 mg/kg (rat)	10000 mg/kg (rabbit) >7400 mg/kg (rat)	None Established
Talc	None Established	None Established	None Established

SECTION 12: ECOLOGICAL INFORMATION

Prevent from entering sewer or waterway. This material is not expected to be harmful to aquatic life.

Material		Acute	Species
Talc	LC50	100000 mg/L (24 h)	Brachydanio rerio
	EC50	None Established	
	EC50	None Established	

SECTION 13: DISPOSAL CONSIDERATIONS

Waste should be disposed of according to local, state, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

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

The transportation information listed above is suitable for all modes of transportation. TDG, IMO/IMDG, ICAO/IATA, 49 CFR

SECTION 15: REGULATORY INFORMATION**U.S. Federal Regulations:**

OSHA: This product is not hazardous.

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain.

U.S. State Regulations:

California Safe Drinking Water & Toxic Enforcement Act (Proposition 65) - This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Prepared by Kretus Inc

Revision date 1/17/23

Revision note Reformatting

The information and recommendations presented herein are accurate to the best of our knowledge. User must conduct their own tests to determine the suitability of these products for their particular purposes and usage. Because of numerous factors affecting results, KRETUS GROUP® and its affiliation makes no warranty of any kind, express or implied, including those of merchantability and fitness for purpose, other than material conforms to our applicable current specifications. KRETUS GROUP® assumes no legal responsibility for use or reliance on the information contained in this safety data sheet.