

KRETUS®



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: KRETUS® Epoxy ESD Colorant

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

OSHA Regulatory Status

OSHA 29CFR 1910.1200

REGULATION (EC) No. 1272/2008



GHS Signal Word: WARNING!

GHS Hazard Statements:

H315: Causes skin irritation

H317: Causes eye irritation

H319: Causes serious eye irritation

GHS Precautionary Statements:

P233: Keep container tightly closed.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P370 + P378: In case of fire, use water spray, carbon dioxide, dry chemical or foam for extinction.

P303+P361+P353: IF ON SKIN(or hair), Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P311: IF SWALLOWED, immediately call a doctor/physician.

P305+P351+P338: IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs, get medical advice/attention.

P337+P313: If eye irritation persists, get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P370+P378: In case of fire, use carbon dioxide, dry chemical or alcohol-resistant foam for extinction.

GHS Storage and Disposal Phrases:

P403+P233: Store in well-ventilated place. Keep container closed.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Do not dump into sewers, on the ground, or into any body of water. Disposal must be in conformance with federal, state/provincial and local laws and regulations.

CARCINOGENICITY: No carcinogenic substance as defined by IARC, NTP and /or OSHA.

Section 12 for ECOLOGICAL information.

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)
Epoxy Resins	CAS 25068-38-6	50
Pigment Black 7	CAS 1333-86-4	Trade Secret
Titanium Dioxide	CAS 13463-67-7	Trade Secret

SECTION 4: FIRST-AID MEASURES

General Advice: Get medical advice/attention if you feel unwell.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Inhalation: IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Ingestion: Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Hazards from Combustion Products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Precautions for Fire Fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazchem Code: Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid breathing vapors or mists.

For Emergency Responders: Use personal protection recommended in Section 8.

Environmental Precautions: Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners.

SECTION 7: HANDLING AND STORAGE

Emergency Procedures: Wear protective equipment– refer to Section 8. Avoid dust formation. Do not let product enter drains.

Containment & Clean up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Control Parameters

Exposure Limits/Guidelines		
Chemical Name	Result	ACGIH/OSHA
Epoxy Resins	STELs	None Established
	TWAs	60 mg/m ³ ACGIH
	PEL	None Established

Appropriate Engineering Controls: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (exhaust ducts,

dust collectors, vessels, and processing equipment) are designed to prevent the escape of dust into the work area. Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Respiratory Protection: Not required under normal conditions of use.

Protection of Skin: Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Select glove material impermeable and resistant to the substance.

Eye Protection: Safety glasses with side shields or goggles.

General Hygienic Measures: Wash hands before breaks, and at the end of work. Wash hands and exposed skin with soap and plenty of water. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid dispersal of dust in air. Do not clear dust on surfaces with compressed air. Avoid inhaling dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste: Dark Gray, white?
Odor	Slight Oder
Odor Threshold	No Data Available
pH	No Data Available
Melting/Freezing Point	No Data Available
Initial Boiling Point and Boiling Range	>300°C @ 760 mm Hg
Flash Point	177°C (PMCC)
Evaporation Rate	No Data Available
Flammability	No Data Available
Upper/Lower Flammability or Explosive Limits	No Data Available
Auto-ignition Temperature	No Data Available
Vapor Pressure	No Data Available
Vapor Density	No Data Available
Relative Density/Specific Gravity	1671.578 kg/m3
Solubility(ies)	Insoluble in water
Partition Coefficient: n-octanol/water	No Data Available
Decomposition Temperature	No Data Available
Viscosity	No Data Available
VOC (Volatile Organic Compounds)	0 g/L

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization: None under normal processing.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: None known.

Hazardous Decomposition Products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact: May cause eye irritation.

Skin Contact: May be harmful if absorbed through skin. May cause skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Human/Animal data: Not available.

Carcinogenic Category: Not classified as a Carcinogen by the IARC.

Numerical measures of toxicity - Component Information

Numerical measures of toxicity - Product Information

Acute Toxicity		
Oral:	11.4 g/kg	LD50 Rat
Inhalation:	>20 ml/kg	LD50 Rat
Chronic Toxicity: No additional information		

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Persistence and Degradability: No information available

Bioaccumulation: No information available

Mobility: No information available

Other Adverse Effects: No information available

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste should be disposed of according to local, state, and federal regulations. Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company. Dispose of containers with care.

Contaminated packaging: Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

SECTION 14: TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	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

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code.

SECTION 15: REGULATORY INFORMATION

United States (USA)**SARA SECTION 311/312:** Acute, Chronic**SARA 313:** 1344-28-1 None**RCRA:** None of the ingredients are listed**TSCA:** All ingredients are listed**CERLA:** None of the ingredients are listed**Prop 65:** Chemicals known to cause cancer, reproductive toxicity for males and females, and developmental toxicity:
None of the ingredients are listed.**SECTION 16: OTHER INFORMATION****Hazardous Material Information System (HMIS)**

Scale		NFPA	HMIS
4-Severe Hazard	Health	2	2
3-Serious Hazard	Flammability	0	0
2-Moderate Hazard	Reactivity	0	0
1-Slight Hazard			
0-Minimal Hazard			

Personal Protection: Safety goggles, neoprene rubber gloves, vapor respirator**Prepared by** Kretus®, Inc.**Revision Date:** 05/03/2022**Revision Note:** Reformatted**Disclaimer:** 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® 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® assumes no legal responsibility for use or reliance on the information contained in this safety data sheet.