



KRETUS®

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: KRETUS® WB 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

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.

Eye Dam. 1: Serious eye damage, Category 1, H318

Skin Sens. 1: Sensitisation, skin, Category 1, H317

Danger

Eye Dam. 1: H318 - Causes serious eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction



Prevention

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash thoroughly after use.

P272: Contaminated work clothing should not be allowed out of the workplace

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

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water

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

P310: Immediately call a POISON CENTER or doctor/physician

P333+P313: If skin irritation or rash occurs: Get medical advice/attention

Storage: Keep container tightly closed and locked in a cool, well-ventilated place.

Disposal: Dispose of contents/container to an approved waste disposal plant in accordance with applicable laws and regulations, and product characteristics at time of disposal.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances: not applicable.

Chemical description: Aqueous mixture composed of additives and pigments.

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

In accordance with Appendix D to §1910.1200, the product contains:

Chemical Name	CAS No.	Concentration (% by Weight)
Titanium dioxide, dispersed in liquid	13463-67-7	20 - <60%
Talc, dispersed in liquid	14807-96-6	5 - 30%
Remaining components are non-hazardous and/or present at amounts below reportable limits.		
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	1 - <7%
3-Iodo-2-propynyl Butylcarbamate	55406-53-6	<0.1 - <2%
Mixture (3:1) of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-Isothiazol-3-one [EC no. 220-239-6]	55965-84-9	<0.1

See also sections 8,11,12,15, and 16.

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. In case of symptoms of intoxication, remove the person affected from the exposure area and provide with fresh air. Seek medical attention if symptoms get worse or persist.

Ingestion/Aspiration

In case of consumption, seek immediate medical assistance showing the SDS of this product. Do not induce vomiting. If vomiting does happen, keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

Most important symptoms/effects, acute and delayed: Acute and delayed effects are indicated in sections 2 and 11.

Indication of immediate medical attention and special treatment needed, if necessary: Not applicable

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.

Unsuitable Extinguishing Media

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 Firefighting

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,...)

Additional provisions:

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 if 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. Avoid spillage into aqueous medium as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into an aqueous medium, notify the relevant authority.

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.

Reference to other sections: See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe-Handling

Precautions for safe manipulation: 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 (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions: 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.

Technical recommendations to prevent ergonomic and toxicological risks: Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks: It is recommended to have absorbent material available at close proximity to the product (see section 6).

Conditions for Safe Storage

Technical measures for storage

Minimum Temp: 5°C

Maximum Temp: 30°C

Maximum time: 24 Months

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food (see section 5).

Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Substances whose occupational exposure limits must be monitored in the work environment.

Identification	CAS	EC	Environmental Limits		
Talc	14807-96-6	238-877-9	PEL-TWA	20 ppm	
			PEL-STEL		
			YEAR	2015	
Titanium Dioxide	13463-67-7	236-675-5	PEL-TWA		15 mg/m ³
			PEL-STEL		
			YEAR	2015	

Appropriate Engineering Controls

Individual protection measures, such as personal protective equipment.

As a preventative measure it is recommended to use basic Personal Protection Equipment. All information contained herein is a recommendation which should meet the requirement of 29 CFR 1910.132. See section 7.

Respiratory protection: The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

Specific protection for the hands: Mandatory hand protection. Protective gloves against minor risks. Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using chemical protection gloves.

Ocular and facial protection: Mandatory face protection. Panoramic glasses against liquid splash. Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

Bodily protection: Work clothing for professional use only. Anti-slip work shoes.

Additional Emergency Measures

Emergency shower meets ANSI Z358-1 and ISO 3864-1:2002.

Eyewash station meets DIN 12 899 and ISO 3864-1:2002.

Environmental Exposure Controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. See section 7.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid, brown,
Odor	mild
Density at 20 °C	1450 - 2120 kg/m3
Relative density at 20 °C	1.25 - 2.12
Dynamic viscosity at 20 °C	Not applicable*
Kinematic viscosity at 20 °C	Not applicable*
Kinematic viscosity at 40 °C	Not applicable*
Concentration	Not applicable*
pH	8-10
Vapor density at 20 oC	Not applicable*
Partition coefficient n-octanol/water 20 oC	Not applicable*
Solubility in water at 20 °C	Not applicable*
Solubility properties:	Not applicable*
Decomposition temperature:	Not applicable*
Melting point/freezing point:	Not applicable*
Flash Point:	Non-Flammable (>60°C)
Autoignition temperature:	Not applicable*
Lower flammability limit:	Not applicable*
Upper flammability limit:	Not applicable*
Surface tension at 20 °C	Not applicable*
Refraction index	Not applicable*
VOC (Volatile Organic Compounds)	<50g/L
Volatility	
Boiling point at atmospheric pressure	100-2230°C
Vapor pressure at 20°C	2350 Pa
Vapor pressure at 50°C	12381 Pa (12 kPa)

Evaporation rate at 20°C	Not applicable*
*Not relevant due to the nature of the product, not providing information property of its hazards.	
SECTION 10: STABILITY AND REACTIVITY	
<p>Reactivity No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.</p> <p>Chemical Stability Chemically stable under the conditions of storage, handling, and use.</p> <p>Incompatible Materials Acids: Avoid strong acids. Water: not applicable Oxidizing materials: Avoid direct impact. Others: Avoid alkalis or strong bases.</p> <p>Possibility for Hazardous Reactions Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.</p> <p>Conditions to be Avoided Applicable for handling and storage at room temperature: Shock and Friction: not applicable Contact with air: not applicable Increase in temperature: not applicable Sunlight: not applicable Humidity: not applicable</p> <p>Hazardous Decomposition Products See section 10. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide, and other organic compounds.</p> <p>Further Information None</p>	
SECTION 11: TOXICOLOGICAL INFORMATION	
<p>Information on toxicological effects: The experimental information related to the toxicological properties of the product itself is not available</p> <p>Dangerous health implications: In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:</p> <p>Ingestion: Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.</p>	

Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Inhalation:

Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Contact with the skin and the eyes:

Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.

Contact with the eyes: Produces serious eye damage after contact.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Sensitizing effects:

Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects. For more information see section 3.

Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Specific target organ toxicity (STOT)-time exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Specific Toxicology Information on the Substances

Identification	CAS	EC	Acute Toxicity		Genus
3-Iodo-2-propynyl Butylcarbamate	55406-53-6	259-627-5	LD50 oral	1100 mg/kg	Rat
			LD50 dermal	2100 mg/kg (ATB)	Rabbit
			LD50 inhalation	3 mg/L (4 h) (ATEI)	
Mixture (3:1) of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-Isothiazol-3-one	55965-84-9	247-500-7 and 220-239-6	LD50 oral	100 mg/kg	Rat
			LD50 dermal	300 mg/kg	Rat
			LD50 inhalation	N/A	
Titanium Dioxide	13463-67-7	236-675-5	LD50 oral	10000 mg/kg	Rat

			LD50 dermal	10000 mg/kg	Rabbit
			LD50 inhalation	N/A	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available.

Ecotoxicity (aquatic and terrestrial where available)

Identification	CAS	EC	Acute Toxicity		Animal
3-Iodo-2-propynyl Butylcarbamate	55406-53-6	259-627-5	LC50	0.07 mg/L (96 h)	Fish,
			EC50	0.09 mg/L (96 h)	Crustacean
			EC50	0.05 mg/L (96 h)	Algae
Talc	14807-96-6	238-877-9	LC50	100000 mg/L (24 h)	Fish
			EC50	N/A	N/A
			EC50	N/A	N/A

Persistence and Degradability: not available

Bioaccumulative Potential

Identification	CAS	EC	Bioaccumulative Potential	
3-Iodo-2-propynyl Butylcarbamate	55406-53-6	259-627-5	BCF	36
			Pow Log	2.4
			Potential	Moderate

Mobility in soil: Not available

Results of PBT and vPvB assessment: Not applicable

Other adverse effects: Not described

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.

SECTION 14: TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group	Environmental Hazards
DOT	None	None	None	None	None
IMO/IMDG	None	None	None	None	None
IATA/CAO	None	None	None	None	None

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the substance or mixture:

Regulation EC No 528/2012: contains a preservative to protect initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one, mixture (3:1) of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-Isothiazol-3-one [EC no. 220-239-6], 3-Iodo-2propynyl Butylcarbamate.

Candidate substances for authorization under Regulation (EC) 1907/2006 (REACH): N/A

Substances included in Annex XIV of REACH (Authorization List) and sunset date: N/A

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: N/A

Article 95, Regulation (EU) No 528/2012: 3-Iodo-2propynyl Butylcarbamate (product type 6, 7, 8, 9, 10, 13); mixture (3:1) of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-Isothiazol-3-one [EC no. 220-239-6] (product type 2, 4, 6, 11, 12, 13)

Limitation to commercialization and the use of certain dangerous substances and mixtures (Annex XVII, REACH): N/A

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this Safety Data Sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage, and disposal of this product.

Other legislation:

The Toxic Substances Control Act (TSCA)

SARA Title III - Community Right-to-Know Reporting Requirements (Sections 311-312)

SARA Title III - Toxic Chemical Release Inventory Reporting (Section 313)

Emergency Planning and Community Right-to-Know Act (EPCRA) Reportable Quantities

SECTION 16: OTHER INFORMATION

Legislation related to Safety Data Sheets:

This Safety Data Sheet has been designed in accordance with Appendix d to §1910.1200 – Safety Data Sheets

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage

H317: May cause an allergic skin reaction

Texts of the legislative phrases mentioned in section 3: The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

Hazcom 2012: N/A

Advice related to training: Minimal training is recommended to prevent industrial risks for staff using this product, to facilitate their comprehension and interpretation of this Safety Data Sheet, as well as the label on the product.

Principal bibliographical sources: Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol–water partition coefficient

Koc: Partition coefficient of organic carbon

N/A: Not Applicable

Personal Protection: Safety goggles, neoprene rubber gloves, vapor respirator

Prepared by Kretus, Inc.

Revision Date 09/27/22

Revision Note No information available.

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.