

## Safety Data Sheet

### SECTION 1: IDENTIFICATION

**Product Name:** KRETUS® KVP SINGLE K POLYURETHANE SEMI-GLOSS | 5740

**Recommended Use:** For professional use only.

**Manufacturer:** Kretus Inc., 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

Eye Irritation Category 2A

Skin Irritation Category 2

Carcinogenicity Category 2

#### WARNING

H319 – Causes serious eye irritation

H315 – Causes skin irritation

H351 – Suspected of causing cancer



#### Prevention

P103 – Read label before use.

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 – Wash hands thoroughly after handling.

P273 – Avoid release to the environment.

P280 – Wear protective gloves / eye protection / face protection.

P285 – In case of inadequate ventilation wear respiratory protection.

#### Response

P301 + P310 – If swallowed: Immediately call a poison center or doctor/physician.

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P308 + P313 – If exposed or concerned: Get medical advice/attention.  
P320 + P352 – If on skin: Wash with plenty of water  
P332 + P313 – If skin irritation occurs: Get medical advice/attention.  
P362 + P364 – Take off contaminated clothing and wash it before reuse.  
P305 + P351 + P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.  
P337 + P313 – If eye irritation persists: Get medical advice/attention

### Storage

P405 – Store locked up.

### Disposal

P501 – Dispose of contents/container in accordance with local/state/federal regulations.

**HNOC:** Not Applicable

**Other information:** No information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Chemical	CAS No.	Concentration (% by Weight)
Titanium Dioxide	13463-67-7	23.31

The specific chemical identity and exact concentration of composition has been withheld as a trade secret.

## SECTION 4: FIRST-AID MEASURES

<b>General Advice</b>	No hazards which require special first aid measures.
<b>Contact with Eyes</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Contact with Skin</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
<b>Most Important Symptoms/Effects</b>	None known.
<b>Notes To Physician</b>	Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
<b>Specific Hazards Arising from the Chemical</b>	Closed containers may rupture if exposed to fire or extreme heat

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.
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<b>Other Information</b>	Prevent further leakage or spillage if safe to do so.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.
<b>Methods for Clean-Up</b>	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**SECTION 7: HANDLING AND STORAGE**

<b>Precautions for Safe-Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists, or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Conditions for Safe Storage</b>	Keep container tightly closed. Keep out of the reach of children. Keep from freezing.
<b>Incompatible Materials</b>	No information available

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

REPORTABLE COMPONENTS	CAS No.	%WT	ACGIH LV/TWA PPM	OSHA Exposure Limits				Vapor Pressure mm Hg @20°C
				TWA PPM	TWA MG/M3	STEL PPM	STEL MG/M3	
Titanium Dioxide	13463-67-7	23.31	10	-	10	-	-	-
<b>Eye/Face Protection</b>	Safety glasses with side-shields.							
<b>Skin Protection</b>	Protective gloves and impervious clothing.							
<b>Respiratory Protection</b>	In case of insufficient ventilation wear suitable respiratory equipment. When sanding or abrading the dried paint film, wear a dust / mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive material itself.							
<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.							
<b>Hygiene Measures</b>	Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.							
<b>Other Precautions</b>	None known.							

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Liquid
<b>Odor</b>	Little to no odor
<b>Odor Threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Freezing Point (°F)</b>	32°F
<b>Boiling Point (°F)</b>	212°F
<b>Flash Point (°F)</b>	Not applicable.
<b>Flash Point Method</b>	Not applicable.
<b>Evaporation Rate</b>	No information available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper Explosion Limit</b>	Not applicable.
<b>Lower Explosion Limit</b>	Not applicable.
<b>Vapor Pressure</b>	No information available.

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<b>Vapor Density</b>	No information available.
<b>Density (lbs./gal)</b>	10.50
<b>Specific Gravity</b>	1.26
<b>Solubility</b>	No information available.
<b>Water Solubility</b>	No information available.
<b>Partition Coefficient (n-octanol/water)</b>	No information available.
<b>Autoignition Temperature (°F)</b>	No information available.
<b>Decomposition Temperature (°F)</b>	No information available.
<b>Viscosity (cps)</b>	No information available.
<b>Wt. % Solids</b>	51.35
<b>Vol. % Solids</b>	38.62
<b>Wt. % Volatiles</b>	48.65
<b>Vol. % Volatiles</b>	61.38
<b>Coating VOC</b>	47.38 g/L
<b>Material VOC</b>	19.29 g/L

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal conditions of use.
<b>Conditions to Avoid</b>	Prevent from freezing
<b>Incompatible Materials</b>	No materials to be especially mentioned.
<b>Hazardous Decomposition Products</b>	None under normal use.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Principal Routes of Exposure</b>	Eye contact, skin contact, and inhalation.
<b>Acute Toxicity</b>	No information available.
<b>Symptoms</b>	No information available.
<b>Eye Contact</b>	May cause slight irritation.
<b>Skin Contact</b>	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
<b>Sensitization</b>	No information available.
<b>Neurological Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.

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<b>Target Organ Effects</b>	No information available.		
<b>STOT - single exposure</b>	No information available.		
<b>STOT - repeated exposure</b>	No information available.		
<b>Other adverse effects</b>	No information available.		
<b>Aspiration Hazard</b>	No information available.		
<b>Carcinogenicity</b>	The information below indicates whether each agency has listed any ingredient as a carcinogen:		
	<b>Chemical Name</b>	<b>IARC</b>	<b>NTP</b>
		<b>OSHA Carcinogen</b>	
	Titanium dioxide (If listed in Section 3)	2B - Possible Human Carcinogen	
	Diphenyl Ketone (If listed in Section 3)	2B - Possible Human Carcinogen	

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

### Legend

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity Effects</b>	The environmental impact of this product has not been fully investigated.
<b>Acute Toxicity to Fish (Titanium Dioxide)</b>	LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)
<b>Acute Toxicity to Aquatic Invertebrates</b>	No information available.
<b>Acute Toxicity to Aquatic Plants</b>	No information available.
<b>Persistence / Degradability</b>	No information available.
<b>Bioaccumulation / Accumulation</b>	No information available.
<b>Mobility in Environmental Media</b>	No information available.
<b>Ozone</b>	No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.
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## SECTION 14: TRANSPORT INFORMATION

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	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/ICAO	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

TSCA: United States	Yes - All components are listed or exempt.
DSL: Canada	Yes - All components are listed or exempt.

**Federal Regulations**

SARA 311/312 hazardous categorization	Please refer to Section 2 of the SDS for the appropriate EPCRA 311/312 hazard categories.	
SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed in the table below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:	
	<b>Chemical Name</b>	<b>CAS Number</b>
	None	None
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)	Unless listed below, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage:	
	<b>Chemical Name</b>	<b>CAS Number</b>
	None	None

**State Regulations**

California Proposition 65	 <b>WARNING:</b> This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm at levels less than required for reporting (<0.1%) unless listed in Section 3.
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**SECTION 16: OTHER INFORMATION**

**HMIS**

Health: 1	Flammability: 0	Reactivity: 0	PPE: X
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**NFPA**

Health: 1	Flammability: 0	Instability: 0
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Prepared by Kretus Inc.

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**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.

