

**70-05A**  
**70-05A Series - Various Colors**

**Revision Date** 01-Jan-2018  
**Supersedes Date:** No information available  
**Version** 1.01

**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1. Product Identifier**

**Product Name** 70-05A Series - Various Colors  
**Product Code** 70-05A

**Product(s) Covered**

A64213	70-05A WHITE	S/P 12/400ML
A64921	70-05A LIGHT GRAY	S/P 12/20.0
A65200-7C	70-05A GRAY	5GL
A65200-95	70-05A GRAY	52GL
A65216	70-05A GRAY CTG	12/290ML
A65216-95L	70-05A/GRY/DRM/52GL/RWTLB/3PP	

**1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Recommended use** No information available.  
**Uses Advised Against** No information available

**1.3. Details of the Supplier of the Safety Data Sheet**

**Company Name**  
 K-FLEX USA  
 100 K-Flex Way  
 Youngsville, NC 27596 USA  
 Phone: (800) 765-6475  
 Email: www.kflexusa.com.com

**1.4. Emergency Telephone Number**

**Emergency Telephone** Telephone: (800) 765-6475

**SECTION 2: Hazards Identification**

**2.1. Classification of the Substance or Mixture**

Skin sensitization	Category 1
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**2.2. Label Elements**

**EMERGENCY OVERVIEW**

**WARNING**

**Hazard Statements**  
 May cause an allergic skin reaction

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**Appearance** No information available      **Physical State** Solid      **Odor** No information available

### Precautionary Statements - Prevention

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

### Precautionary Statements - Response

Specific treatment (see first aid measures on this label)  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### Precautionary Statements - Storage

Not applicable

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Hazards Not Otherwise Classified (HNOC)

Not applicable

### Unknown Toxicity

20.28% of the mixture consists of ingredient(s) of unknown toxicity

### 2.3. Other Information

May be harmful if swallowed. May be harmful in contact with skin. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Carbonic acid, calcium salt (1:1)	471-34-1	30 - 60
Titanium dioxide	13463-67-7	1 - 5
Silane, ethenyltrimethoxy-	2768-02-7	1 - 5
Stearic acid	57-11-4	1 - 5
Carbon black	1333-86-4	1 - 5
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	0.1 - 1
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	0.1 - 1

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First Aid Measures

### 4.1. Description of First Aid Measures

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<b>General Advice</b>	Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).
<b>Self-protection of the First Aider</b>	First aider: Pay attention to self-protection.

## 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** None known.

## 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## 4.4. Reference to Other Sections

**Reference to Other Sections** SECTION 8: Exposure controls/personal protection  
SECTION 11: Toxicological Information

## **SECTION 5: Fire Fighting Measures**

### 5.1. Extinguishing Media

**Suitable Extinguishing Media**  
Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

**Unsuitable Extinguishing Media**  
Full water jet.

### 5.2. Special Hazards Arising from the Substance or Mixture

**Specific Hazards Arising from the Chemical**  
Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### **Explosion Data**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

### 5.3. Advice for Firefighters

#### **Protective Equipment and Precautions for Firefighters**

In case of fire: Wear self-contained breathing apparatus. Do not allow run-off from fire-fighting to enter drains or water courses.

## **SECTION 6: Accidental Release Measures**

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## 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protection equipment. Avoid contact with skin, eyes or clothing.

## 6.2. Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil.

## 6.3. Methods and Material for Containment and Cleaning up

**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for Cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## 6.4. Reference to other sections

**Reference to Other Sections** SECTION 8: Exposure controls/personal protection  
SECTION 7: Handling and Storage  
SECTION 13: Disposal Considerations

## **SECTION 7: Handling and Storage**

### 7.1. Precautions for Safe Handling

**Advice on Safe Handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

**Storage Conditions** Protect from moisture. Keep container tightly closed in a cool place. Keep away from food, drink and animal feeding stuffs. Recommended storage temperature. 10 - 35 °C.

**Incompatible Materials** None known based on information supplied.

### 7.3. Specific End Use(s)

**Specific Use(s)**  
Sealant. Observe technical data sheet.

**Other Information** No information available.

### 7.4. References to Other Sections

**Reference to Other Sections** SECTION 13: Disposal Considerations  
SECTION 10: Stability and Reactivity

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control Parameters

**Exposure Guidelines** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. As Titanium dioxide (13463-67-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Carbon black (1333-86-4) is inextricably bound in the polymer matrix,

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it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable fraction	IDLH: 1750 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>
Tin, dibutylbis(2,4-pentanedionat o-o,O')-, (OC-6-11)- 22673-19-4	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn	TWA: 0.1 mg/m <sup>3</sup> Sn	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Carbonic acid, calcium salt (1:1) 471-34-1	-	-	-	TWA: 10 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	-	-	TWA: 10 mg/m <sup>3</sup>
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>	-	-	TWA: 3.5 mg/m <sup>3</sup>
Tin, dibutylbis(2,4-pentanedionat o-o,O')-, (OC-6-11)- 22673-19-4	TWA: 0.1 mg/m <sup>3</sup> Skin STEL: 0.2 mg/m <sup>3</sup>	-	TWA: 0.08 mg/m <sup>3</sup> Skin	Skin STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 310 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Methanol 67-56-1	TWA: 200 ppm Skin STEL: 250 ppm	TWA: 156 ppm TWA: 200 mg/m <sup>3</sup> Skin	TWA: 160 ppm TWA: 210 mg/m <sup>3</sup> Skin	Skin STEL: 250 ppm TWA: 200 ppm

## 8.2. Exposure Controls

**Other Information** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

### Personal protective equipment [PPE]

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	Solid
Color	Multiple Colors
Odor	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	> 93.3 °C / > 200 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents		
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### 9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	100.0
Density	1.556 g/cm <sup>3</sup>
VOC	< 30.0 G

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical Stability

Stable under recommended storage conditions.

### 10.3. Possibility of Hazardous Reactions

None under normal processing.

### 10.4. Conditions to Avoid

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Extremes of temperature and direct sunlight.

## 10.5. Incompatible Materials

None known based on information supplied.

## 10.6. Hazardous Decomposition Products

None known based on information supplied.

## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

<b>Product Information</b>	No Data Available
<b>Inhalation</b>	No Data Available.
<b>Eye Contact</b>	No Data Available.
<b>Skin Contact</b>	No Data Available.
<b>Ingestion</b>	No Data Available.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carbonic acid, calcium salt (1:1) 471-34-1	= 6450 mg/kg ( Rat )	>2000 mg/kg	LC50 (4h) >3mg/ml (Rat)
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
Silane, ethenyltrimethoxy- 2768-02-7	= 7340 µL/kg ( Rat )	= 3360 µL/kg ( Rabbit )	-
Stearic acid 57-11-4	>5000 mg/Kg	> 5 g/kg ( Rabbit )	-
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-
N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine 1760-24-3	= 7460 µL/kg ( Rat )	-	LC50 4H (Aerosol) 1.5 - 2.44 mg/L air

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Symptoms</b>	No information available.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Irritation</b>	No information available.
<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Chronic Toxicity</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Lungs, Lymphatic System, Respiratory system, Skin.
<b>Aspiration Hazard</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. The components of this product are inextricably bound in a polymer matrix and are not expected to be available as airborne hazards (dust, mist, or spray) under normal condition of use.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide	-	Group 2B	-	X

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13463-67-7				
Carbon black 1333-86-4	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)  
A3 - Confirmed animal carcinogen with unknown relevance to humans  
IARC (International Agency for Research on Cancer)  
Group 2B - Possibly Carcinogenic to Humans  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

## SECTION 12: Ecological Information

### 12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H Fish >1000 mg/l		EC50 48H Daphnia >1000 mg/l
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203		EC50 24 h > 5600 mg/L (Daphnia magna )
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine 1760-24-3		LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static		EC50 (48h) =81mg/L Daphnia magna Static
Tin, dibutylbis(2,4-pentanedionat o-o,O')-, (OC-6-11)- 22673-19-4	>2.0 mg/l	>2.0 mg/l		

### 12.2. Persistence and Degradability

No information available.

### 12.3. Bioaccumulative Potential

No information available.

### 12.4. Mobility in Soil

No information available.

### 12.5 Other adverse effects

No information available

## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment Methods

#### Disposal of Wastes

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

#### Contaminated Packaging

Dispose of in accordance with federal, state and local regulations



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## SECTION 14: Transport Information

DOT Not regulated  
IATA Not regulated  
IMDG Not regulated

## SECTION 15: Regulatory Information

### Global Inventories

TSCA	Listed
DSL	Listed

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

#### WHMIS Hazard Class

D2B - Toxic materials



### United States of America

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### California Proposition 65

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. %

Chemical Name	CAS No
Titanium dioxide	13463-67-7
Carbon black	1333-86-4
Methanol	67-56-1

### Europe

#### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

**EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

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This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical Name	CAS No
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	25973-55-1

## SECTION 16: Other Information

**HMIS**                      **Health Hazards** 2                      **Flammability** 1                      **Physical Hazards** 1                      **Personal Protection** X

### Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

### Key Literature References and Sources for Data

No information available

**Prepared By**    K-FLEX USA 100 Nomaco drive Youngsville, NC 27596 USA

**Revision Date**    03-Sep-2015

**Revision Note**    Not applicable.

**Training Advice**    No information available

**Further Information**    No information available

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**