



Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

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

1.1. Product Identifier

Product Name 70-01A Various Colors
Product Code A77121

Product(s) Covered

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

Recommended Use Adhesives, sealants.
Uses Advised Against No information available

1.3. Details of the Supplier of the Safety Data Sheet

Company Name

Bostik, Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1 (800) 843-0844 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)
Fax: +1 (414) 774-8075
Email: msds@bostik-us.com

1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332
(Outside U.S.) 1-703-527-3887

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



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

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

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

15.96% 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 (67-56-1) are formed by hydrolysis and released upon curing

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical Name	CAS No	Weight-%
Carbonic acid, calcium salt (1:1)	471-34-1	15 - 40
Iron manganese oxide ((Fe,Mn)2O3)	75864-23-2	1 - 5
C.I. Pigment Black 26	68186-94-7	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

General Advice

Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand.

Eye Contact

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 an physician.

Skin Contact

Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
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Version 1

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Ingestion 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). Small amounts of toxic methanol are released by hydrolysis.

Self-protection of the First Aider 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 toxic methanol are released by hydrolysis. Small amounts of methanol (67-56-1) are formed by hydrolysis and released upon curing.

4.4. Reference to Other Sections

Reference to Other Sections See Sections 8 and 12 for additional information

SECTION 5: Fire Fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide (CO₂). 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 (CO₂).

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge 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

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protection equipment. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

6.2. Environmental Precautions

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. Prevent further leakage or spillage if safe to do so. Do not allow into any

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

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. References to Other Sections

Reference to Other Sections See Sections 8 and 12 for additional information

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. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

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. Keep container tightly closed in a dry and well-ventilated place.

Incompatible Materials None known based on information supplied.

7.3. Specific End Use(s)

Specific Use(s) Sealant. For additional information, see Technical Data Sheet.

Other Information No information available.

7.4. References to Other Sections

Reference to Other Sections See Sections 8 and 12 for additional information

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Exposure Guidelines Small amounts of methanol (67-56-1) are formed by hydrolysis and released upon curing.

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust	-	-
Iron manganese oxide ((Fe,Mn)2O3) 75864-23-2	TWA: 1 mg/m ³ Fe TWA: 0.02 mg/m ³ Mn TWA: 0.1 mg/m ³ Mn	IDLH: 500 mg/m ³ Mn TWA: 1 mg/m ³ Fe TWA: 1 mg/m ³ Mn STEL: 3 mg/m ³ Mn	Ceiling: 5 mg/m ³ Mn	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³ STEL: 2 mg/m ³
C.I. Pigment Black 26	TWA: 0.02 mg/m ³ Mn	IDLH: 500 mg/m ³ Mn	Ceiling: 5 mg/m ³ Mn	TWA: 0.2 mg/m ³

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

68186-94-7	TWA: 0.1 mg/m ³ Mn	TWA: 1 mg/m ³ Mn STEL: 3 mg/m ³ Mn		
Carbon black 1333-86-4	TWA: 3 mg/m ³ inhalable fraction	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³
Tin, dibutylbis(2,4-pentanedionat o-O,O'), (OC-6-11)- 22673-19-4	STEL: 0.2 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn	TWA: 0.1 mg/m ³ Sn	TWA: 0.1 mg/m ³ STEL: 0.2 mg/m ³

Chemical Name	Argentina	Brazil	Chile	Venezuela
Carbonic acid, calcium salt (1:1) 471-34-1	-	-	-	TWA: 10 mg/m ³
Iron manganese oxide ((Fe,Mn)2O3) 75864-23-2	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³	TWA: 1 mg/m ³	TWA: 4 mg/m ³	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³
C.I. Pigment Black 26 68186-94-7	TWA: 0.2 mg/m ³	TWA: 1 mg/m ³	TWA: 4 mg/m ³	TWA: 0.2 mg/m ³
Carbon black 1333-86-4	TWA: 3.5 mg/m ³	-	-	TWA: 3.5 mg/m ³
Tin, dibutylbis(2,4-pentanedionat o-O,O'), (OC-6-11)- 22673-19-4	TWA: 0.1 mg/m ³ Skin STEL: 0.2 mg/m ³	-	TWA: 0.08 mg/m ³ Skin	Skin STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³

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 ³ STEL: 250 ppm STEL: 325 mg/m ³	TWA: 200 ppm TWA: 260 mg/m ³	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 310 mg/m ³

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

8.2. Exposure Controls

Other Information Small amounts of methanol (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.

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. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	Solid
Color	Black
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	> 93.4 °C / > 200.1 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limits	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	No information available	
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	1.390 g/cm ³
VOC	< 30.0 g/L

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

Extremes of temperature and direct sunlight.

10.5. Incompatible Materials

None known based on information supplied.

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

10.6. Hazardous Decomposition Products

None known based on information supplied.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Product Information	No data available
Inhalation	No data available.
Eye Contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

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)
C.I. Pigment Black 26 68186-94-7	>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)	-	-

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

Symptoms	No information available.
Skin Corrosion/Irritation	No information available.
Serious Eye Damage/Eye Irritation	No information available.
Irritation	No information available.
Corrosivity	No information available.
Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Reproductive Toxicity	No information available.
Developmental Toxicity	No information available.
Teratogenicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Chronic Toxicity	May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target Organ Effects	Blood, Central nervous system, Eyes, Gastrointestinal tract (GI), Kidney, Liver, Lymphatic System, Respiratory system, Skin.
Aspiration Hazard	No information available.
Carcinogenicity	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
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)

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

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
C.I. Pigment Black 26 68186-94-7		96H Fish >100000 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)
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. Results of PBT and vPvB Assessment

No information available.

12.6. 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

SECTION 14: Transport Information

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

DOT Not regulated
IATA Not regulated
IMDG Not regulated

SECTION 15: Regulatory Information

Global Inventories

<u>TSCA</u>	Listed
<u>DSL</u>	Listed

This product contains a substance that is the subject of a proposed Significant New Use Rule (SNUR) codified at 40 CFR 721.10679.

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 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

Chemical Name	CAS No
C.I. Pigment Black 26	68186-94-7
Iron manganese oxide ((Fe,Mn)2O3)	75864-23-2

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
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	68515-49-1
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.

Safety Data Sheet

A77121
70-01A Various Colors

Revision Date 25-Feb-2015
Supersedes Date: No information available
Version 1

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

This product contains the following substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

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 Product Safety & Regulatory Affairs

Revision Date 25-Feb-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