

Issue Date 12-May-2015

Revision Date 29-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** 1040 Bond Koat A

### Other means of identification

**Product Code** FG00107

**Synonyms**

### Recommended use of the chemical and restrictions on use

**Recommended Use** Concrete Coating.

**Uses advised against** No Data

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Surface Koatings, Inc. 134 Davis Street Portland, TN 37148 Telephone (615) 323-9461

### Emergency telephone number

**Company Phone Number** (615) 323-9461

**24 Hour Emergency Phone Number** 800-535-5053 (United States & Canada), International Call: 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Inhalation (Vapors)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified

### Label elements

#### **Emergency Overview**

#### **Warning**

#### **Hazard statements**

May be harmful if swallowed

May cause an allergic skin reaction

Causes eye irritation





induce vomiting. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Eye, Skin, and Respiratory Irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide surrounding fire.

**Unsuitable extinguishing media** Not Applicable.

**Specific hazards arising from the chemical**

None Known.

**Hazardous combustion products** Carbon oxides.

**Explosion data**

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** Not sensitive.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

**Methods and material for containment and cleaning up**

**Methods for containment** Dike and contain spill with inert absorbent materials. Soak up with inert material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Do not allow material to freeze. Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible materials** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls** General/Local Ventilation Recommended.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.
- Respiratory protection** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Slight
<b>Appearance</b>	Milky White Liquid	<b>Odor threshold</b>	No data available
<b>Color</b>	white		
<u><b>Property</b></u>	<u><b>Values</b></u>	<u><b>Remarks • Method</b></u>	
<b>pH</b>	Not Relevant		
<b>Melting point / freezing point</b>	Not Applicable/ 32° F		
<b>Boiling point / boiling range</b>	100 °C		
<b>Flash point</b>	> 248 °C (478 °F)	CC (closed cup)	
<b>Evaporation rate</b>	Not Available		
<b>Flammability (solid, gas)</b>	Not Relevant		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	Not Available		
<b>Lower flammability limit:</b>	Not Available		
<b>Vapor pressure</b>	Not Available		
<b>Vapor density</b>	Not Available		
<b>Relative density</b>	1.11 @ 70 Degrees F		
<b>Water solubility</b>	Soluble in water		
<b>Solubility in other solvents</b>	Not Available		
<b>Partition coefficient</b>	Not Available		
<b>Autoignition temperature</b>	Not Available		
<b>Decomposition temperature</b>	Not Available		
<b>Kinematic viscosity</b>	Not Available		
<b>Dynamic viscosity</b>	Not Available		
<b>Explosive properties</b>	Not Available		
<b>Oxidizing properties</b>	Not Available		



**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

No available data.

**Ecotoxicity**

**Persistence and degradability**

No data available.

**Bioaccumulation**

No data available.

**Other adverse effects**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**

**Marine pollutant**

Not regulated  
No available data.

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Does not comply
<b>DSL/NDSL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**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

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X

Issue Date 12-May-2015  
 Revision Date 29-May-2015

Revision Note  
 No data 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 a 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**

Issue Date 12-May-2015

Revision Date 29-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** 1040 Bond Koat B

### Other means of identification

**Product Code** FG00108

**Synonyms**

### Recommended use of the chemical and restrictions on use

**Recommended Use** Concrete Coating.

**Uses advised against** No Data

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Surface Koatings, Inc. 134 Davis Street Portland, TN 37148 Telephone (615) 323-9461

### Emergency telephone number

**Company Phone Number** (615) 323-9461

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## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Inhalation (Vapors)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified

### Label elements

#### **Emergency Overview**

#### **Warning**

#### **Hazard statements**

May be harmful if swallowed

May cause an allergic skin reaction

May be harmful if inhaled

Causes serious eye irritation

May Cause Respiratory Irritation







Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Eye, Skin, and Respiratory Irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide surrounding fire.

**Unsuitable extinguishing media** Not Applicable.

**Specific hazards arising from the chemical**

None Known.

**Hazardous combustion products** Carbon oxides.

**Explosion data**

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** Not sensitive.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

**Methods and material for containment and cleaning up**

**Methods for containment** Dike and contain spill with inert absorbent materials. Soak up with inert material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Do not allow material to freeze. Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible materials** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-methoxypropan-2-ol 107-98-2	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 150 ppm STEL: 540 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** General/Local Ventilation Recommended.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

**Respiratory protection** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Slight
<b>Appearance</b>	Milky White Liquid	<b>Odor threshold</b>	No data available
<b>Color</b>	white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not Relevant	
Melting point / freezing point	Not Applicable/ 32° F	
Boiling point / boiling range	100 °C	
Flash point	>100 °C (>212 °F)	CC (closed cup)
Evaporation rate	Not Available	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	Not Available	
Lower flammability limit:	Not Available	
Vapor pressure	Not Available	
Vapor density	Not Available	

**Relative density** 1.07 @ 70 Degrees F  
**Water solubility** Soluble in water  
**Solubility in other solvents** Not Available  
**Partition coefficient** Not Available  
**Autoignition temperature** Not Available  
**Decomposition temperature** Not Available  
**Kinematic viscosity** Not Available  
**Dynamic viscosity** Not Available  
**Explosive properties** Not Available  
**Oxidizing properties** Not Available

**Other Information**

**Softening point** Not Relevant  
**Molecular weight** Not Available  
**VOC Content (%)** < 100 g/L  
**Density** Not Available  
**Bulk density** Not Available

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not Available

**Chemical stability**  
Stable.

**Possibility of Hazardous Reactions**  
No data available.

**Conditions to avoid**  
None known.

**Incompatible materials**  
None known.

**Hazardous Decomposition Products**  
Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Direct contact and vapor inhalation.  
**Eye contact** Direct contact.  
**Skin contact** Direct contact.  
**Ingestion** Direct contact.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol 100-51-6	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 8.8 mg/L ( Rat ) 4 h
1-methoxypropan-2-ol 107-98-2	= 5200 mg/kg ( Rat )	= 13 g/kg ( Rabbit )	= 54.6 mg/L ( Rat ) 4 h > 24 mg/L ( Rat ) 1 h

**Information on toxicological effects**

**Symptoms** Ingestion may cause nausea, vomiting and diarrhea. Exposure causes mild skin irritation. Exposure causes eye irritation. Depending on concentration of residual monomers (typically <0.1%), vapors can collect above the liquid in closed containers. These vapors may result

in eye and upper respiratory tract irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Irritation</b>	Irritating to eyes, respiratory system and skin.
<b>Sensitization</b>	No data available.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	Not Available.
<b>STOT - single exposure</b>	Not Available.
<b>STOT - repeated exposure</b>	Not Available.
<b>Aspiration hazard</b>	Not Available.

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

No available data.

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Benzyl alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50
1-methoxypropan-2-ol 107-98-2	-	20.8: 96 h Pimephales promelas g/L LC50 static 4600 - 10000: 96 h Leuciscus idus mg/L LC50 static	23300: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No data available.

**Bioaccumulation**

No data available.

Chemical Name	Partition coefficient
Benzyl alcohol 100-51-6	1.1
1-methoxypropan-2-ol 107-98-2	-0.437

**Other adverse effects**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**  
**Marine pollutant** Not regulated  
 No available data.

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Does not comply
<b>DSL/NDL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**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

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X

Issue Date 12-May-2015

Revision Date 29-May-2015

Revision Note

No data available

Disclaimer

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**End of Safety Data Sheet**