

1. PRODUCT NAME

Basix[®] Solid Surface

2. SUPPLIER

Basix Surfaces
28241 Crown Valley Pkwy. Ste. F #297
Laguna Niguel, CA 92677
Tel: 888-719-1126

3. CONTACT FOR PRODUCT INFORMATION OR EMERGENCY

Michelle Kraushaar Tel: 714-702-0441

4. RECOMMENDED USE

Surfacing Material

5. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS MATERIAL:

Acrylic Polymer
Hydrated Alumina, Aluminum Hydroxide, Aluminum Trihydroxide
Unsaturated Polyester Resin (UPR)

COMPONENT	% BY WEIGHT
Polyester Acrylic Polymer	≈ 40%
Hydrated Alumina, Aluminum Hydroxide, Aluminum Trihydroxide	≈ 60%

6. HAZARDS IDENTIFICATION

Basix[®] Solid Surface sheet is not hazardous when shipped. However, operations such as sawing, routing, drilling and sanding can generate dust. High concentrations of dust can irritate eyes, nose and respiratory passages and cause coughing and sneezing. Even though there is no exposure limit established for dust from Basix[®] Solid Surface material (see details in Exposure Controls / Personal Protection section of this MSDS), avoid breathing the dust. Basix[®] Solid Surface material does not give off gas at room temperature. At higher temperatures, a small amount of methyl methacrylate may be released. The amount depends on temperature, time and other variables. Methyl methacrylate vapors can irritate eyes, skin, nose and throat and cause allergic skin rashes. Over exposure to methyl methacrylate vapors can cause headaches, nausea, weakness, lung irritation with coughing, discomfort and shortness of breath. Individuals with pre-existing lung or skin problems may be more susceptible to the effects of over exposure to methyl methacrylate.

7. FIRST AID MEASURES

INHALATION: Move to fresh air
EYE CONTACT: Not applicable
SKIN CONTACT: Not applicable
INGESTION: Not applicable

8. FIRE FIGHTING MEASURES

Pursuant to NEMA LD3, Basix® Solid Surface is highly resistant to flame, but if exposed to extremely high temperatures it may be combusted.

FLAMMABLE PROPERTIES: Hazardous gases/vapor produced in fire are carbon monoxide, methyl methacrylate, aldehydes.

AFTER SPILLAGE / LEAKAGE / GAS LEAKAGE: Not applicable.

EXTINGUISHING MEDIA: Dry powder, foam, carbon dioxide, water spray.

FIRE-FIGHTING INSTRUCTIONS: Keep personnel removed and upwind of fire.. Wear self-contained breathing apparatus.

9. ACCIDENTAL RELEASE MEASURES

No special precautions required.

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used.

10. HANDLING AND STORAGE

HANDLING: Sheet material should be unloaded with a forklift or other lifting devices capable of handling pallets safely. If a lifting device is not available, always carry single sheets in the vertical position, and wear heavy-duty protective gloves and proper safety shoes. Carrying should be done by two people facing each other on the short sides with one hand under to support and the other hand on top to control the sheet.

STORAGE: Keep sheets flat and evenly supported at temperatures between 15 ~ 32° C (59° ~ 89° F), in a dry and well-ventilated indoor area.

11. EXPOSURE CONTROLS / PERSONAL PROTECTION

TECHNICAL PROTECTIVE MEASURES: Provide for appropriate exhaust ventilation and dust collection at machinery.

Personal Protective Equipment:

RESPIRATION (DURING MACHINING OPERATION): In case of insufficient ventilation, wear appropriate respiratory equipment in compliance with local, State and Federal regulations.

EYES (DURING MACHINING OPERATION): Use tightly fitting safety goggles or face shield.

HANDS (DURING MACHINING OPERATION): Wear protective gloves.

OTHERS (DURING MACHINING OPERATION): Use ear protection and safety shoes. Those who are highly sensitive should take precautions due to possible eye, nose and throat irritation from Basix® solid surface dust and fumes.

12. TOXICOLOGICAL INFORMATION

Methyl Methacrylate:

TLV-TWA = 100ppm = 410 mg/m³; ACGIH (1991-2)

LD50/oral/rat = 7872 mg/kg; RTECS, 47796

Methyl methacrylate can be present on the cutting tool face at a concentration exceeding the TLV of 100 ppm. However, it dissipates to very low levels with good ventilation.

13. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solid sheet
COLOR: Various
ODOR: None
BOILING POINT: Not applicable
MELTING POINT: Not applicable
SPECIFIC GRAVITY (WATER = 1): 1.7~1.8
VAPOR PRESSURE (MMHg): Not applicable
VAPOR DENSITY (AIR = 1): Not applicable
SOLUBILITY IN WATER: Insoluble
pH: Not applicable
FLASH POINT: Not applicable
IGNITION TEMPERATURE: Not applicable
EXPLOSION LIMITS: Lower = Not applicable Higher = Not applicable

14. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION PRODUCT: Frictional heat generated from sawing and routing Basix® Solid Surface sheets can reach or exceed a temperature of 300° C. This is high enough to release a small amount of methyl methacrylate vapor.
HAZARDOUS DECOMPOSITION PRODUCT: Carbon monoxide, methyl methacrylate monomer and smoke
HAZARDOUS REACTION: None
FURTHER INFORMATION: Sprayed mist may be flammable at temperatures below the flash point.

15. TOXICOLOGICAL INFORMATION

This product has no adverse affect on human health

16. ECOLOGICAL INFORMATION

No information available

17. DISPOSAL CONSIDERATIONS

Can be land filled or incinerated, when in compliance with local regulations.

18. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

19. REGULATORY INFORMATION

U.S. Federal Regulations:
TSCA Inventory Status: In compliance with TSCA Inventory requirements for commercial purposes.

20. OTHER INFORMATION

Do not use in medical applications involving permanent implantation in the human body.

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4. RECOMMENDED USE

Surfacing Material

5. COMPOSITION / INFORMATION ON INGREDIENTS

Basix[®] Solid Surface is a 100% acrylic solid surface comprised of 1/3 acrylic resin (aka Polymethyl Methacrylate or MMA) and 2/3 natural minerals composed of Aluminum Trihydrate (ATH) derived from bauxite and from which aluminum is extracted (Elongation: DIN 53 445, ISO/DIS 527-78) 0.48 to 0.61%). Materials are not known to contain toxic materials under Title III and Reauthorization Act of 1986 and 40 CFR part 372.

COMPONENTS MATERIAL:
Methyl Methacrylate (MMA)
Polymethyl Methacrylate (PMMA)
Aluminum Trihydrate (AL-OH3)

COMPONENT	% BY WEIGHT
Polymethyl Methacrylate	> 30%
Alumina Trihydrate	< 70%
Methyl Methacrylate (Degradation Product)	< 1%

6. HAZARDS IDENTIFICATION

Basix® Solid Surface sheet is not hazardous in its original state, however, operations such as sawing, routing, drilling and sanding can generate dust. High concentrations of dust can irritate eyes, nose and respiratory passages and cause coughing and sneezing. Even though there is no exposure limit established for dust from Prima Decora solid surface sheet (see details in Exposure Controls / Personal Protection section of this MSDS), avoid breathing the dust.

Basix® Solid Surface sheet does not off gas at room temperature. At higher temperatures, a small amount of methyl methacrylate may be released. The amount depends on temperature, time and other variables. Methyl methacrylate vapors can irritate eyes, skin, nose and throat and cause allergic skin rashes. Over exposure to methyl methacrylate vapors can cause headache, nausea, weakness, and lung irritation with coughing, discomfort and shortness of breath. Individuals with pre-existing lung or skin problems may be more susceptible to the effects of over exposure to methyl methacrylate.

7. FIRST AID MEASURES

INHALATION: Move to fresh air
EYE CONTACT: Not applicable
SKIN CONTACT: Not applicable
INGESTION: Not applicable

8. FIRE FIGHTING MEASURES

Pursuant to NEMA LD3, Basix® Solid Surface is highly resistant to flame, but if exposed to extremely high temperatures it may be combusted.

FLAMMABLE PROPERTIES: Hazardous gases/vapor produced in fire are carbon monoxide, methyl methacrylate, aldehydes.

AFTER SPILLAGE / LEAKAGE / GAS LEAKAGE: Not applicable.

EXTINGUISHING MEDIA: Dry powder, foam, carbon dioxide, water spray.

FIRE-FIGHTING INSTRUCTION: Keep personnel removed and upwind of fire.. Wear self-contained breathing apparatus.

9. ACCIDENTAL RELEASE MEASURES

No special precautions required

10. HANDLING AND STORAGE

HANDLING: Sheets should be unloaded with a forklift or other lifting device capable of handling pallets safely. If a lifting device is not available, always carry single sheets in the vertical position, and wear heavy-duty protective gloves and proper safety shoes. Carrying should be done by two people facing each other on the short sides with one hand under to support and the other hand on top to control the sheet.

STORAGE: Keep sheets flat and evenly supported at temperatures between 15 ~ 32° C (59° ~ 89° F), in a dry and well-ventilated indoor area. Avoid breathing dust and fumes generated during sawing, routing or drilling.

11. EXPOSURE CONTROLS / PERSONAL PROTECTION

TECHNICAL PROTECTIVE MEASURES: Provide for appropriate exhaust ventilation and dust collection at machinery.

PERSONAL PROTECTIVE EQUIPMENT: Eye/Face protection, safety glasses during operation such as sawing, sanding, drilling or routing.

RESPIRATION (DURING MACHINING OPERATION): In case of insufficient ventilation, wear appropriate respiratory equipment in compliance with local regulations.

EYES (DURING MACHINING OPERATION): Use tightly fitting safety goggles or face-shield.

HANDS (DURING MACHINING OPERATION): Wear protective gloves.

OTHERS (DURING MACHINING OPERATION): Use ear protection, safety shoes. Those who are highly sensitive should take precautions due to possible eye, nose and throat irritation from Basix[®] Solid Surface dust and fumes.

12. TOXICOLOGICAL INFORMATION

SKIN/EYE IRRITATION:

Polymethyl Methacrylate – The compound is not a skin or eye irritant and is not a skin sensitizer in animals. Single or repeated ingestion produced mild degenerative changes of liver and kidney.

Methyl Methacrylate – The compound is a skin irritant, is a moderate eye irritant and is a skin sensitizer in animals.

Alumina Trihydrate – The compound is untested for skin and eye irritant and is untested for animal sensitization.

Acute Toxicity (LC50):

Polymethyl Methacrylate	>2MG/1, 4hr LC50 (Inhalation/Rat)
Methyl Methacrylate	7093PPM/4hr LC50 (Inhalation/Rat)

Acute Toxicity (LD50):

Polymethyl Methacrylate	>2000mg/kg, 4hr LD50 (Oral/Cat)
Methyl Methacrylate	7900 PPM/4hr LD50 (Oral/Cat)

13. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solid sheet

COLOR: Various

ODOR: None

BOILING POINT: Not applicable

MELTING POINT: Not applicable

SPECIFIC GRAVITY (WATER = 1): 1.7 ~ 1.8

VAPOR PRESSURE (MMHg): Not applicable

VAPOR DENSITY (AIR = 1): Not applicable

SOLUBILITY IN WATER: Insoluble

pH: Not applicable

FLASH POINT: Not applicable

IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Lower = Not applicable, Higher = Not applicable
0% Volatiles

14. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION PRODUCT: Frictional heat generated from sawing and routing Basix[®] Solid Surface sheets can reach or exceed a temperature of 300° C. This is high enough to release a small amount of methyl methacrylate vapor.

HAZARDOUS DECOMPOSITION PRODUCT: Carbon monoxide, methyl methacrylate monomer, smoke

HAZARDOUS REACTION: None

FURTHER INFORMATION: Sprayed mist may be flammable at temperatures below the flash point.

15. ECOLOGICAL INFORMATION

No information available.

16. DISPOSAL CONSIDERATIONS

Can be land filled or incinerated, when in compliance with local regulations.

17. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

18. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status: In compliance with TSCA Inventory requirements for commercial purposes.

19. OTHER INFORMATION

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Do not use in medical applications involving permanent implantation in the human body.