

1. PRODUCT NAME

Basix® Solid Surface

2. SUPPLIER

Basix International
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Laguna Niguel, CA 92677
Tel: 888-719-1126

3. CONTACT FOR PRODUCT INFORMATION OR EMERGENCY

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4. 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%

5. 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. Overexposure 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 overexposure to methyl methacrylate.

6. FIRST AID MEASURES

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

7. 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.

8. ACCIDENTAL RELEASE MEASURES

Not applicable.

9. 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.

10. 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 faceshield.

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.

11. 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.

12. 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

13. 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.

14. ECOLOGICAL INFORMATION

No information available

15. DISPOSAL CONSIDERATIONS

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

16. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

17. REGULATORY INFORMATION

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

18. OTHER INFORMATION

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