BETACRYL®
Pure Acrylic Stone

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	BETACRYL®
	Solid Surfaces sheets
Company:	BTS s.p.a.
Emergency Telephone	+39 031 391007
Address:	Via Repubblica n.6
	I-22075 Lurate Caccivio (Co)

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2. COMPOSITION: INFORMATION ON INGREDIENTS

INGREDIENT SEQUENCE NUMBER: 01

Ingredient:	Acrylic Polymer
Percent:	38-40
Cas Number:	9011 -14-7

INGREDIENT SEQUENCE NUMBER: 02

Ingredient:	Hydrated Alumina, Aluminum Hydroxide, Aluminum Trihydroxide
Percent:	58-60
Cas Number:	21645-51–2
Niosh(Rtecs) number:	BD094000M

3. HAZARDS IDENTIFICATION

"BETACRYL® Solid Surfaces 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 "BETACRYL® Solid Surfaces sheet" (see details in the Exposure Controls/Personal Protection section of his MSDS), avoid breathing dust. " BETACRYL® Solid Surfaces sheet" does not offgas 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 preexisting lung or skin problems may be more susceptible to the effects of over exposure to methyl methacrylate.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air
Eye contact:	Not applicable
Skin contact:	Not applicable
Ingestion:	Not applicable

5. FIRE FIGHTING MEASURES

After spillage/Leakage/Gas leakage:

Keep away from all ignition sources. Ensure adequate ventilation. Use personal protective equipment. Soak up with inert abs orbent material. Clean with detergents. Avoid solvents.

Extinguishing media:

Dry powder, f oam, carbon dioxide, water spray.

6. ACCIDENTAL RELEASE MEASURES

Review FIRE FIGHTING MEASURES and HANDLING AND STORAGE sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

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7A. 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 short sides with one hand under to support and the other hand on top to control the sheet.

7B. STORAGE

Keep sheets flat and evenly supported at temperatures between 15 and 23 °C, in a dry and well-ventilated indoor area.

8. 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 ventilati on, 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 or throat irritation from BETACRYL® Solid Surfaces dust and fumes.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid sheet
Color	Various
Oror	Not applicable
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 Upper = Not applicable

10.
STABILITY AND REACTIVITY

Thermal decomposition product:

Frictional heat generated from sawing and routing Betalite Solid Surfaces sheet 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

11.
TOXICOLOGICAL INFORMATION

Methyl methacrylate:

TLV-TWA = 100 ppm = 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.
ECOLOGICAL INFORMATION

No information available

13.
DISPOSAL CONSIDERATIONS

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

14.
TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15.
REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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

16.
OTHER INFORMATION

ADDITIONAL INFORMATION

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