

Material Safety Data Sheet

SilkSurface™

SilkSurface Modified Acrylic Solid Surface – Standard & Deluxe Range

1. Product and Company Identification

PRODUCT NAME: SilkSurface Modified Acrylic Solid Surface

COMPANY: SilkSurface

ADDRESS: 22 Myrtle Drive, Armidale New South Wales 2350

2. Composition/Information on Ingredients

INGREDIENT: Unsaturated Polyester Resin (UPR+MMA)

PERCENT: <40

CAS NUMBER: N/A

INGREDIENT: Aluminum Hydroxide

PERCENT: <60

CAS NUMBER: 21645-51-2

PIGMENT&ADDTIVES PERCENT: <2

3. Hazards Identification

“SilkSurface modified acrylic solid surface” 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 “SilkSurface modified acrylic solid surface” (see details in the Exposure Controls/ Personal Protection section of this MSDS), avoid breathing dust.

“SilkSurface modified acrylic solid surface” 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 pre-existing 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 absorbent material. Clean with detergents. Avoid solvents.

EXTINGUISHING MEDIA: Dry powder, foam, 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.

7. 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 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 ~ 23°C (59° ~ 73°F), 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 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 or throat irritation from SilkSurface modified acrylic solid surface dust and fumes

9. Physical and Chemical Properties

- FORM:** Solid sheet
- COLOUR:** Various
- ODOUR:** 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
Upper = Not applicable

10. Stability and Reactivity

10.1 Reactivity: SilkSurface modified acrylic solid surface is a non-reactive and chemically stable solid sheet material.

10.2 Chemical stability: SilkSurface modified acrylic solid surface is a non-reactive and chemically stable solid sheet material.

11. Toxicological Information

11.1 Information on toxicological effects

SilkSurface modified acrylic solid surface is a non-reactive and chemically stable solid sheet material that is non-toxic.

11.1.1 Substances:

Acute toxicity: None

Skin corrosion/irritation: None

Eye damage/irritation: Safety glasses should be worn during fabrication and installation processes.

Sensitisation to the respiratory tract/skin: Standard fabrication and installation processes may generate dust which may be irritating.

12. Ecological Information

SilkSurface modified acrylic solid surface is a non-reactive and chemically stable solid sheet material that is non-toxic.

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture SilkSurface modified acrylic solid surface is not listed as a hazardous material therefore does not require special regulations.

15.2 Chemical Safety Assessment: For this material a chemical safety assessment is not required.

16. Other Information

ADDITIONAL INFORMATION

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