

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: 100% Acrylic Solid Surface Material
 Trade Name: Chiara (Australia)
 Manufacturer: **Foshan Opaly Composite Materials Co., Ltd.**
 No.12-3, A area, Jingkou Park,
 Central Science and Technology industrial Zone,
 Sanshui District, Foshan, Guangdong
 Tel.: +86-757-87219386
 Fax: +86-757-87219387

Emergency Information: Contact your local health or emergency authority immediately.

DOT / TDG Hazard Classification: Not a DOT / TDG controlled material.

Hazardous Materials Identification System Ratings:

Health: 0 Flammability: 0 Reactivity: 0

Synonym(s): Not available Chemical Name(s): Not available
 Chemical Family: Not available. Chemical Formula: Not available.



Material Uses: Solid Surface material for kitchen, bathroom and other interior decoration.

Other Information: OHS Hazard Communication Standard (29 CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to this product. This product is excluded as an article. Information on potential hazards associated with product fabrication and/or installation are discussed in this datasheet.

SECTION II: HAZARD IDENTIFICATIONS

Emergency Overview:

The product as such is not hazardous. The hazards of this product are associated mainly with its processing. Operations such as sawing, routing, drilling and sanding can generate dust. **WARNING!** May form combustible dust concentrations in air (during processing). High concentrations of dust can irritate eyes, nose and respiratory system and cause coughing and sneezing.

Does not emit gas at room temperature. At higher temperatures, small amounts of methyl methacrylate and butyl acrylate can be released. The amounts are dependent upon temperature, time and other variables.

Potential Health Effects:

Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS Number	% by Weight	TLV / PEL	LC50 / LD50
Alumina Trihydrate	21645-51-2	58-70	15mg/m3 OSHA PEL;10mg/m3 ACGIH TLV	Not available
Butyle Acrylate-Methyl Methacrylate	25852-37-3	28-41	Not available	Not available
Copolymer Colorants	Not available	1-3	Not available	Not available

SECTION IV: FIRST AID MEASURES

Skin contact: No hazards which require special first aid measures.

Eye contact: Flush thoroughly with plenty of water, also under the eyelids.

Inhalation : If large amounts of dust are inhaled, or if exposed to fumes from overheating or combustion, move to fresh air.

Ingestion : No hazards which require special first aid measure

SECTION V: FIRE-FIGHTING MEASURES

Flammable Properties

Flash Point : Not applicable

Fire and Explosion

Hazard : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Hazardous combustion products; Carbon Monoxide, Carbon Dioxide (CO₂), Methyl Methacrylate Monomer, Aldehydes, Butyl Acrylate.

Extinguishing Media : Water spray, Dry chemical, Carbon dioxide (CO₂), Foam

SECTION VI: ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards

(Personnel) : No special precautions required.

Spill Cleanup :

Dust should not be allowed to accumulate on surfaces, as these may form an explosive mixture if released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air. Non-sparking tools should be used.

Accidental

Release Measures : No special environmental precautions required.

SECTION VII: HANDLING AND STORAGE

Handling (Personnel) : Do not breathe dust. Do not breathe vapours or fumes that may be evolved during processing.

Wash hands before breaks and at the end of workday.

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.

Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Storage : No special storage conditions required.

SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection : Safety glasses

Respiratory
Protection :

If user operations generate dust, use ventilation to keep airborne contaminants below the exposure limit.

Wear appropriate respirator when ventilation is inadequate or dust concentration is more than 10mg/m³.

Hand Protection : Wear gloves to protect against cuts and abrasions.

Engineering
Controls :

All dust control equipment should contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Use only appropriately classified electrical equipment and powered industrial trucks.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid

Colour : Various

Odour : Odourless

Density
(Specific Gravity): 1.6 - 1.8 g/cm³

Ph : Not applicable

Evaporation Rate : Not available

Water Solubility : Insoluble

Solubility
in Solvents : Insoluble in Methanol, Diethyl Ether, n-Octanol, Acetone

SECTION X: STABILITY AND REACTIVITY

Stability :	The product is stable
Conditions to Avoid :	None reasonably foreseeable. Stable under normal conditions.
Hazardous Decomposition Products :	Methyl Methacrylate Monomer, n-Butyl Acrylate , Butyl Acrylate
Chemical Instability/ Materials to Avoid :	Not considered to be reactive
Corrosivity :	Not considered to be corrosive for metals and glass

SECTION XI: TOXICOLOGICAL INFORMATION

This product has no known adverse effect on human health.

SECTION XII: ECOLOGICAL INFORMATION

This product has no known eco-toxicological effects.

SECTION XIII: DISPOSAL CONSIDERATIONS

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

SECTION XIV: TRANSPORTATION INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION XV: REGULATORY INFORMATION

TSCA Status :	All components of this product are listed on the TSCA inventory. On the inventory, or in compliance with the inventory
DSL Status :	This product contains one or several components listed in the Canadian NDSL list.
Carbon Black :	In this product, carbon black is not supplied in the form regulated in California.
Regulated Chemical(s) :	A concentration of 1% or more (0.01% for Special Hazardous Substances): Methyl Methacrylate , Butyl Acrylate Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Methyl Methacrylate, Butyl Acrylate

SECTION XVI: OTHER INFORMATION

The data contained in this MSDS and recommendations presented herein are based upon information considered to be accurate, as of this date. However, Foshan Opaly Composite Materials makes no guarantee or warranty, either expressed or implied, of the completeness of this data and recommendations, and assumes no liability in connection with any use of this information.

END OF MSDS

[Page 5 of 5]