Amorini
JOINERY COMPONENTS

SAFETY DATA SHEET

Mirostone — 20mm Solid Acrylic Surface

Effective Date	Version	Language
1 January 2026	01	English (Australia)

This Safety Data Sheet is prepared in accordance with the Globally Harmonized System (GHS) as adopted under Australian model Work Health and Safety (WHS) laws.

SECTION 1: IDENTIFICATION

Product Name: Mirostone 20mm Solid Surface

Product Form: 20mm solid acrylic sheet

Intended Use: Kitchen, bathroom, and laundry worktops and splashbacks — interior domestic and commercial applications

1.1 Name, Address, and Telephone of the Responsible Party

Company	Amorini Australia Pty Ltd (ACN 109 941 755) 28 Starr Avenue, North Plympton SA 5037 Tel: (08) 8376 7904

1.2 Emergency Telephone Number

Emergency Number (Australia): Poisons Information Centre — 13 11 26 (24 hours, Australia-wide)

SECTION 2: HAZARDS IDENTIFICATION

Crystalline Silica: Mirostone contains no crystalline silica. It is a solid surface product manufactured from acrylic modified unsaturated polyester polymer and hydrated alumina/aluminium hydroxide filler (see Section 3) — it is not manufactured by combining natural stone material with resin, and does not fall

within the definition of "engineered stone" under the model Work Health and Safety Regulations. The prohibition on the manufacture, supply, processing, and installation of engineered stone benchtops, panels, and slabs (in effect in all Australian states and territories since 1 July 2024) does not apply to Mirostone.

"Mirostone" Solid Surface Material is not hazardous as shipped. 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.

Mirostone does not off-gas at room temperature. At higher temperatures, small amounts of polyester polymer, hydrated alumina, aluminium hydroxide, aluminium tri-hydroxide, methyl methacrylate, and butyl acrylate can be released, in amounts dependent on temperature, time and other variables.

Susceptible Individuals: Individuals with pre-existing diseases of the lungs or skin may have increased susceptibility to the effects of overexposure to polyester polymer, methyl methacrylate, and butyl acrylate.

Carcinogenicity: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or Safe Work Australia as a carcinogen.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Material	CAS No.	Content
Acrylic modified unsaturated polyester polymer	Mixture	35–45%
Hydrated alumina, aluminium hydroxide, aluminium tri-hydroxide	21645-51-2	55–65%

Trace constituents for which exposure limits may be applicable:

Constituent	CAS No.	Content
Methyl methacrylate	80-62-6	<1%
Butyl acrylate	141-32-2	<1%
Polyester polymer	Mixture	<1%
Hydrated alumina	21645-51-2	<1%
Aluminium hydroxide	21645-51-2	<1%
Aluminium tri-hydroxide	21645-51-2	<1%

SECTION 4: FIRST AID MEASURES

Inhalation: No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. If large amounts of dust are inhaled, or if exposed to fumes from overheating or combustion, remove to fresh air. Consult a physician if breathing is difficult or if symptoms persist.

Skin Contact: The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion: No specific intervention is indicated, as the compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties: Mirostone Solid Surface Material can be combusted only with difficulty.

Hazardous Combustion Products: Carbon monoxide, methyl methacrylate, butyl acrylate, and aldehydes.

Suitable Extinguishing Media: Water, dry chemical, CO2, foam.

Firefighting Instructions: Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Safeguards: Review Fire-Fighting Measures and Handling sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

Spill Clean-Up: Recover undamaged and minimally contaminated material for re-use and reclamation.

SECTION 7: HANDLING AND STORAGE

Handling (Personnel): Avoid breathing dust. Avoid breathing fumes generated during heating. Temperatures reached while thermoforming Solid Surface Material are high enough to release some polyester polymer, hydrated alumina, aluminium hydroxide, aluminium tri-hydroxide, methyl methacrylate, and butyl acrylate.

Machining Operations: Sawing, sanding, or routing create friction and may result in temperatures high enough to release small amounts of polyester polymer at the cutting tool surface.

Storage: Store flat, protected from direct sunlight and extremes of temperature.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters — Australian Workplace Exposure Standards (WES)

The applicable Australian limits are the Safe Work Australia Workplace Exposure Standards below, current until the Workplace Exposure Limits (WEL) list takes effect on 1 December 2026.

Substance	Standard	Value
Methyl methacrylate (80-62-6)	Safe Work Australia WES – TWA	50 ppm (208 mg/m³)
Methyl methacrylate (80-62-6)	Safe Work Australia WES – STEL	100 ppm (416 mg/m³)
Methyl methacrylate (80-62-6)	Advisory notation	Sensitiser (Sen)

Substance	Standard	Value
Butyl acrylate (141-32-2)	Safe Work Australia WES – TWA	1 ppm (5 mg/m³)
Butyl acrylate (141-32-2)	Safe Work Australia WES – STEL	5 ppm (26 mg/m³)
Butyl acrylate (141-32-2)	Advisory notation	Dermal sensitiser (DSEN), skin absorption (Sk)
Nuisance dust (polyester polymer, hydrated alumina, aluminium hydroxide, aluminium tri-hydroxide)	No substance-specific WES established	General dust WES of 10 mg/m³ inhalable / 3 mg/m³ respirable applies where relevant

These figures were verified against Safe Work Australia's published Workplace Exposure Standards. Neither methyl methacrylate nor butyl acrylate appear on the list of chemicals with confirmed changes for the 1 December 2026 Workplace Exposure Limits transition.

8.2 Exposure Controls

Engineering Controls: Use ventilation adequate to keep employee exposure to airborne concentrations below recommended limits. Provide appropriate exhaust ventilation and dust collection at machinery.

Eye/Face Protection: Wear safety glasses during operations such as sawing, sanding, drilling, or routing.

Respiratory Protection: During grinding, sanding, or sawing operations, if airborne particulate concentrations are expected to exceed exposure limits, use a half-face air-purifying respirator with an N100 (or equivalent P2/P3) filter, selected in accordance with AS/NZS 1715.

Protective Clothing: Wear leather or cotton gloves when handling large pieces and during sawing, routing, or drilling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Form	20 mm solid sheet
Specific Gravity	1.74 ± 0.2
% Volatiles	0% at room temperature
Solubility in Water	Insoluble

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials: None reasonably foreseeable.

Decomposition: Thermal decomposition can release polyester polymer, hydrated alumina, aluminium hydroxide, aluminium tri-hydroxide, methyl methacrylate, and butyl acrylate.

Polymerisation: Polymerisation will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

No specific toxicological studies have been conducted on the finished Mirostone product. The trace constituent information below relates to the raw materials used in manufacture.

Likely Routes of Exposure (dust only): Inhalation, skin contact, eye contact.

Carcinogenicity: None of the components present at concentrations ≥0.1% are listed as a carcinogen by IARC, NTP, or Safe Work Australia.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: No information available. Toxicity is expected to be low due to insolubility in water.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Preferred options for disposal are recycling, incineration with energy recovery, or landfill. Treatment, storage, transportation, and disposal must be in accordance with applicable state and local Environment Protection Authority (EPA) regulations.

SECTION 14: TRANSPORT INFORMATION

Australian Dangerous Goods (ADG) Code: Not classified as dangerous goods.

SECTION 15: REGULATORY INFORMATION

This product is regulated under the model Work Health and Safety (WHS) Act and Regulations as adopted in each Australian state and territory.

Engineered Stone Prohibition: Mirostone is not engineered stone for the purposes of the model WHS Regulations and is not subject to the national prohibition on the manufacture, supply, processing, or installation of engineered stone benchtops, panels, and slabs (in effect since 1 July 2024). See Section 2 for the basis of this position.

Medical Use Caution: Do not use in medical applications involving permanent implantation in the human body.

SECTION 16: OTHER INFORMATION

Date of Preparation: 1 January 2026 (Amorini Australia Pty Ltd)

This information is based on data supplied by Amorini Australia Pty Ltd and is intended to describe the product for health, safety, and environmental purposes only. It is not a guarantee of any specific property of the product. It is the

user's responsibility to determine suitability for the intended application and to follow all necessary safety precautions and applicable Australian Work Health and Safety requirements.