

**MATERIAL SAFETY DATA SHEET**

VERSION 1

ISSUED: 3 APRIL 2017

**IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY**

**Product Identifier:** Solid Surface Adhesive (Quartz & Natural Stone Adhesive)  
**Intended Use:** Coloured or transparent adhesive for quartz and natural stone.  
**Supplier/Importer:** HARDUN  
41 Christensen Street, Cheltenham, VIC, 3192, Australia

**HAZARD IDENTIFICATION**

**Hazard Classification:** Classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)]

**Risk Phrases:** R10 – Flammable  
R20 – Harmful by Inhalation  
R36/38 – Harmful to Eyes and Skin

**Safety Phrases:** S2 – Keep out of reach of children  
S9 – Keep container in well ventilated place  
S16 – Keep away from sources of ignition  
S24 – Avoid contact with skin  
S25 – Avoid contact with eyes  
S26 – In case of contact with eyes, rinse immediately and seek medical advice  
S29 – Do not empty into drains  
S37 – Wear suitable gloves  
S43 – In case of fire use dust, carbon dioxide, foam, sprayed water. Do not use water directly.  
S51 – Use only in well ventilated areas.

**COMPOSITION AND INFORMATION ON INGREDIENTS**

COMPONENT NAME	CAS NO.	EC NO.	PROPORTION
Methyl Methacrylate Monomer	80-62-6	201-297-1	10-20%
Acrylic Polymer	9011-14-7	201-297-1	30-60%
Aluminium Hydroxide	21645-51-2	244-492-7	30%
Tert-Butyl Methacrylate	585-07-9	209-548-7	1-10%
Silicon Dioxide	7631-86-9	231-545-4	1-10%
Pigments	51274-00-11 1333-86-4 1309-37-1 1317-61-9 1314-98-3	257-098-5 215-609-9 215-168-2 215-277-5 215-251-3	>3%

**FIRST-AID MEASURES**

- Inhalation:** Immediately move to a well-ventilated area or area with fresh air. If breathing becomes difficult immediately call emergency (000) services. Do not attempt to give mouth-to-mouth resuscitation on persons who have inhaled or ingested the substance.
- Eye Contact:** Immediately after contact, thoroughly irrigate eyes with cold water for at least fifteen minutes. Seek medical advice without delay.
- Skin Contact:** Immediately remove contaminated clothing and shoes. Rinse under cold water for fifteen minutes. If symptoms or irritation persists seek medical advice.
- Ingestion:** Do **not** induce vomiting. Seek medical advice without delay.
- Other:** Symptoms may be delayed. Observe persons who have had adverse contact with the substance. Treat symptomatically.

## FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

Dry chemical, carbon dioxide or foam fire extinguishers or dry sand.

**Extinguishing Media Not Suitable Due to Hazards:**

High pressure, solid water jet streams may scatter or spread the fire. Water may be used to cool containers exposed to flames to prevent explosions.

**Specific Hazards from Chemical:**

Substance emits toxic fumes if combusted.

## ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Wear protective breathing and body apparatus. A1/A2/A3 organic filter rated face mask or respirator must be worn during use. If substance is near direct source of heat/fire evacuate surrounding personnel and contact emergency fire services.

**Protective Equipment:**

In case of dangerous spill or leakage use self-contained breathing apparatus as substance may emit toxic fumes if it comes in contact with direct heat. Wear appropriate body suit if cleaning up leakage or spill.

**Environmental Precautions:**

Do not release the substance directly into sewers, ground water and neighbouring areas.

**Method/Materials for Cleaning and Containment:**

Eliminate the source of ignition and any other hazardous sources of flame (cigarettes, flames, sparks, etc.) from the air in which the leak occurred. If fumes are released into the air use breathing equipment. Only if it is safe to do so, block the leakage. Contain spill or leakage with sand or earth. Only handle the containers or leaked product if it is safe to do so and wearing full protective equipment. Evacuate other personnel. Place used/spilled substance into clearly marked container to be disposed in accordance with statutory regulations.

## HANDLING AND STORAGE

**Safe Handling:** Do not open near direct sources of heat, naked flames or sparks. Do not smoke in the vicinity of the substance. Always keep the container closed when not in use. Handle substance in well ventilated area. Recommended A1/A2/A3 respirator and glove use when handling the substance for prolonged periods of time. Before direct application of substance ensure surface is clean and dry.

**Safe Storage:** Store in accordance with relevant statutory obligations (if any). Store in original container in a well-ventilated, cool, dry area. Keep container sealed until use. Seal well after opening. Keep away from food and water. Keep away from incompatible materials. **Keep away from children at all times.**

## EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Limits:** Methyl Methacrylate Monomer: ACGIH TLV-TWA 410 mg/m<sup>3</sup> (100ppm)  
Aluminium Hydroxide: ACGIH TLV-TWA 2mg (Al)/m<sup>3</sup>

*TWA is the average airborne concentration in an 8 hour day over a five day working week.*

**Engineering Controls:**  
Use in a well-ventilated area. Ensure that workplace has adequate ventilation system. If air levels exceed Exposure Limit, respiratory protection must be used. Ensure that eyewash stations or sinks and showers are proximal to work-station location.

**Personal Protective Equipment:**  
Use of airtight safety glasses recommended.  
Wear of long-sleeved overalls and safety footwear recommended.  
Protect hands with chemical-resistant gloves approved by workplace Occupational Health & Safety regulations.

## PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Vicious liquid paste. Milky white in colour and other colours according to container specifications.

**Odour:** Light ester odour emits from the substance.

**pH Value:** No data.

**Melting Point/Freezing Point:** -48° Celsius.

**Boiling Point:** 101° Celsius.

**Flash Point:** No data.

**Evaporation Rate:** Not applicable.

**Flammability:** Not applicable.

**Upper/lower Flammability or Explosive Limit:** Non-explosive

**Vapour Density:** 3.5

**Solubility:** 1.6wt%

**Partition:** No data.

## STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** High temperatures, direct sources of ignition, open flame, sparks and direct sunlight. All combustibles. Avoid strong impact to the container.

**Hazardous Reactions:** Polymerisation will not occur.

**Incompatible Materials:** Oxidizing agents, Peroxides, acids.

## TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS

**Swallowed:** Harmful if swallowed. This product may cause dizziness, headaches, diarrhoea and nausea if ingested.

**Respiratory:** Inhalation of this product is harmful. This product may irritate the mucous membranes and lungs. Prolonged inhalation of product may cause dizziness, headaches and nausea.

**Skin:** This product is mildly irritating to skin. Prolonged exposure may cause dermatitis.

**Eye:** This product is irritating to eyes. Contact with eyes may cause stinging and irritation.

### CHRONIC EFFECTS

This product is harmful to lungs and mucous membranes.  
Embryotoxic and or/foetotoxic.

## ECOLOGICAL INFORMATION

Ecotoxicity data not available.

## DISPOSAL CONSIDERATIONS

**Disposal Method:** Minimise the generation of waste wherever possible. Container should be treated as residual chemical. Disposal of substance should be in accordance to statutory obligations.

## TRANSPORT INFORMATION

	ROAD & RAIL	MARINE	AIR
<b>UN NO.</b>	1133	1133	1133
<b>SHIPPING NAME</b>	Adhesive Containing Flammable Liquid	Adhesive Containing Flammable Liquid	Adhesive Containing Flammable Liquid
<b>DG CLASS</b>	3	3	3
<b>SUBRISK</b>	None	None	None
<b>PACKAGING GROUP</b>	II	II	II

<b>REGULATORY INFORMATION</b>
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**The Poisons Standard (SUSMP): S5**

<b>OTHER INFORMATION</b>
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First Issue Safety Data Sheet dated 3 April 2017.

The information contained within this Material Data Safety Sheet is correct and relevant to the best of our current knowledge on the date of the last version. It is the responsibility of the user to ensure the suitability and relevance of the information according to each specific use of the product. Users should make their own investigations to determine the suitability of the information for their particular purposes. In using this product, users accept responsibility to comply with health and safety regulations as it relates to them. We do not accept liability for improper use of this product.