

**Moulding and Casting Materials**19 Ardena Crt, East Bentleigh
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British United Industries (Vic) Pty Ltd ATF Byrne Hughes Family Business Trust Trading as Solid Solutions Group ABN 46 977 073 014 ACN 006 303 591

SECTION 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

EMERGENCY TELEPHONE:	03 9579 2044 (Business Hours 9 am – 5 pm).
Product Name:	Solid Cast 650 Part B.
Proper Shipping Name:	Not applicable
Product Use:	Ambient temperature curing agent for mixing with Solid Cast 650 Part A. Solid Cast 650 Kit is used in areas such as potting and casting.
Manufacturer's Product Code:	Not applicable.
Creation Date:	
Revision Date:	

SECTION 2 – HAZARDS IDENTIFICATION

This product is classified as a **HAZARDOUS SUBSTANCE** according to criteria of NOHSC Australia and as **NON-DANGEROUS GOODS** according to the Australian Dangerous Goods (ADG) Code.

Hazard Category:	Xi: Irritant.
Emergency Overview:	May be irritating to eyes and skin.
Skin Contact:	Prolonged or repeated exposure may cause skin irritation.
Eye Contact:	May cause eye irritation. Corneal injury is unlikely.
Inhalation:	At room temperature, vapours are minimal due to low vapour pressure.
Ingestion:	Ingestion may result in gastric disturbances.
Primary Routes of Exposure:	Skin, eye, inhalation.
Risk Statements:	R36/38 Irritating to eyes and skin.
Safety Statements:	S2 Keep out of the reach of children. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Aliphatic amines and derivatives.	Proprietary	30 - < 60% w/w
Esters of aliphatic acid.	Proprietary	30 - < 60% w/w
Glycols and Polyols.	Proprietary	25 - < 50% w/w
Total		100% w/w

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. (Phone Australia 13 1126) or a doctor (at once).
First Aid Facilities Required:	Eye wash fountains and a general washing facility should be easily accessible in the immediate work area.
Inhalation:	Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply mouth-to-mouth resuscitation. If breathing is difficult, qualified personnel should administer oxygen. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Call a doctor and/or transport to an emergency hospital.

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SECTION 4 – FIRST AID MEASURES (CONTINUED)

Skin contact:	For gross contamination immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water and soap. Immediately remove contaminated clothing and wash before reuse. If irritation develops seek medical attention.
Eye contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If irritation develops seek medical attention.
Ingestion (Swallowed):	Immediately rinse mouth with water. If swallowed DO NOT induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration into the lungs. Get to a doctor or hospital quickly.
Advice to Doctor:	Supportive care. Treatment based on judgement by the doctor in response to reactions of the patient. Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons.

SECTION 5 – FIRE FIGHTING MEASURES

Hazards from Combustion Products:	Upon combustion, this product may emit carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), formaldehyde, dense black smoke and other possibly toxic gases and vapours on burning.
Suitable Extinguishing Media:	Carbon dioxide, dry chemical foam, dry powder. For large-scale fires, alcohol resistant foams are preferred if available. General-purpose synthetic foams or protein foams may function, but much less effectively. Water may be used as a blanket for fire extinguishment. If water is used, it should be used in very large quantities. If possible, contain fire run off water.
Precautions for Fire Fighting:	In case of fire use large quantities of water, foam, carbon dioxide or a dry chemical. Immediately evacuate the area (including down-wind) of unnecessary personnel. People who are fighting fires must be protected against hazardous combustion products by wearing positive pressure self-contained breathing apparatus and full protective clothing. Dense smoke emitted when burned without sufficient oxygen. If safe to do so, remove container(s) from the path of the fire if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.
Hazchem Code:	Not applicable.
Flash Point:	> 127°C (estimated).
Fire Hazards:	Hazardous combustion products: Product may emit carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), formaldehyde, dense black smoke and other possibly toxic gases and vapours on burning.



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills:

Personal Precautions:

Evacuate and ventilate spill area. In case of spill, wear full protective equipment including respiratory equipment during clean up as indicated in section 8 below. Isolate hazard area and deny entry.

Environmental Precautions:

Contain spill, e.g. by diking, to prevent entry into sewers, drainage system, surface or ground water systems. In the event of product entering waters or drainage system, or polluting soil or plants contact the Environmental Protection Authority or your local Waste Management Authority.

Major Spill:

If transportation spill, dial “000” for Police or Fire Brigade. Large quantities may be pumped into closed, sealed containers for disposal.

Minor Spill:

Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, sawdust, vermiculite or other absorbent), which then can be put into appropriately labelled open top drums.

SECTION 7 – HANDLING AND STORAGE

Handling:

Avoid all personal contact, including skin and eye contact and inhalation. Wear eye protection and protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use.

Storage:

Store indoors at 20 to 27°C in original, unopened containers. Protect from atmospheric moisture.

Flammability:

Class C1 combustible liquid. Product is non-flammable according to Australian Code for Transport of Dangerous Goods. However, product will burn in a general fire.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

Time-weighted Average (TWA): None established for this product.

Short Term Exposure Limit (STEL): None established for this product.

Engineering Controls:

Ensure for good ventilation/ suction. Use only in a well-ventilated area. Ensure airflow, where this product is used, is directed away from the operators. Ensure ventilation is adequate to maintain air concentrations below exposure standards. If this is not possible, use appropriate personal protective equipment (meeting the requirements of AS/NZS 1715 and AS/NZS 1716).



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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONTINUED)

Personal Protection:	<p><u>Respiratory protective equipment:</u> Suitable breathing mask where ventilation is inadequate to maintain air concentrations below exposure standards.</p> <p><u>Eye protection:</u> The use of face shields, chemical goggles, or safety glasses with side shield protection is recommended.</p> <p><u>Hand protection:</u> Chemical resistant gloves (e.g. Polyethylene/Ethylene Vinyl Alcohol/ Polyethylene or PE/EVAL/PE or Dupont Barricade gloves complying with AS 2161) are recommended.</p> <p><u>Clothing:</u> Suitable protective clothing complying with AS 2919 (Industrial Clothing), suitable footwear complying with AS/NZS 2210 (Occupational protective footwear - Guide to selection, care and use).</p>
Flammability:	Class C1 combustible liquid. Product is non-flammable according to Australian Code for Transport of Dangerous Goods. However, product will burn in a general fire.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid.
Odour:	Slightly sweet odour.
pH:	Not applicable.
Vapour Pressure:	< 1 mm Hg @ 20°C (estimated).
Boiling Point/ Range:	No data.
Solubility in Water:	Slightly soluble.
Density:	1.0 kg/l @ 25°C.
Flashpoint:	> 127°C (estimated).
Viscosity:	65 mm ² /s (centipoise).
Stability:	Stable under normal conditions.

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal temperatures and pressure.
Conditions to Avoid:	Avoid excessive temperatures. Stable when stored under normal conditions.
Materials to Avoid:	Strong oxidisers.
Hazardous Decomposition:	Excessive heating can produce carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), formaldehyde, dense black smoke and other possibly toxic gases and vapours on burning.



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SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:

Acute:

Swallowed: No hazards anticipated from swallowing small amounts incidental to normal handling operations.

Acute Toxicity Data (Oral): No data for product.

Eye: May cause eye irritation. Corneal injury is unlikely.

Skin: Prolonged or repeated exposure may cause skin irritation.

Acute Toxicity Data (Dermal): No data for product.

Inhaled: At room temperature, vapours are minimal due to low vapour pressure.

Acute Toxicity Data (Inhalation): No data for product.

Chronic Toxicity Data:

Carcinogenicity: No data for product.

Mutagenicity: No data for product.

SECTION 12 – ECOLOGICAL INFORMATION

Movement & Partitioning No data on product.

Ecotoxicity: No data on product.

Biological degradation & Transportation: No data on product.

General: DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Keep from entering waste-water, soil or surface waters. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Any disposal of product, drain and rinse liquid, or containers, must be in accordance with all State, Territory and/or Local government regulations. Liquids are usually incinerated in an approved facility. Solids are usually also incinerated or land filled in approved facilities. Empty plastic or steel drums should first be decontaminated by filling with water or decontamination solution.

SECTION 14 – TRANSPORT INFORMATION

General: This material is not a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: Not applicable.

UN Proper Shipping Name: Not applicable.

ADG Class: Not applicable.

Packing Group: Not applicable.

HAZCHEM Code: Not applicable.

SECTION 15 – REGULATORY INFORMATION

SUSDP: No Poisons Schedule Number allocated.

AICS: All ingredients present on AICS.

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SECTION 16 – OTHER INFORMATION**Labelling Details:****Risk Statements:**

R36/38 Irritating to eyes and skin.

Safety Statements:

S2 Keep out of the reach of children.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SUSDP:

No Poisons Schedule Number allocated.

ADG Code:

Not applicable.

Flammable & Combustible

Combustible liquid – Class C1 label required, including Hazardous Substance requirements.

Liquids:**Acronyms:**

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail.

AICS Australian Inventory of Chemical Substances.

CAS Number Chemical Abstracts Service Registry Number.

HAZCHEM An emergency action code of numbers and letters which gives information to emergency services.

NOHSC National Occupational Health and Safety Commission (now part of Australian Safety & Compensation Council)

SUSDP Standard for the Uniform Scheduling of Drugs and Poisons.

UN Number United Nations Number.

Issue Date:**Supersedes Issue Date:**

Not applicable.

Revision Information:

New Issue.

Contact Point:

Regulatory Affairs Manager.

Telephone:

03 9579 2044.

Note:

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Disclaimer:

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since Solid Solutions cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. This MSDS does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.