

Material Safety Data Sheet



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **PLASTI-BOND**

Recommended Use: Two pack filler for holes or cracks in metal, wood, masonry, plastics and ceramics.

Supplier: Selleys Pty Ltd
ABN: 67 000 049 427
Street Address: 1 Gow Street
Padstow 2211
Australia

Telephone Number: +61 2 9781 8777
Facsimile: +61 2 9781 8825
Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases: PART A: Flammable. Harmful by inhalation. Irritating to eyes and skin.
PART B: Risk of explosion by shock, friction, fire or other sources of ignition. May cause fire. Irritating to eyes. May cause sensitisation by skin contact. Very toxic to aquatic organisms. May impair fertility. Possible risk of harm to the unborn child.

Safety Phrases: Keep out of the reach of children. Do not breathe vapour. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.

Poisons Schedule: S5 Caution.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Part A	-	100%	-
Pigments and fillers	-	30-60%	-
Synthetic polymer(s)	-	10-<30%	-
Styrene	100-42-5	10-<30%	R10, R20, R36/38
Additives	-	to 100%	-
Part B	-	100%	-
Dibutyl phthalate	84-74-2	30-60%	R50, Repr. Cat. 2 R61, R62
Dibenzoyl peroxide	94-36-0	30-60%	R2, R36, R43

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

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Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek immediate medical advice.

Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Flammable paste. On burning will emit toxic fumes.

Precautions for fire fighters and special protective equipment:

Heating can cause polymerisation and expansion, leading to containers exploding. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Alcohol resistant foam is the preferred firefighting medium but, if it is not available, fine water spray or water fog can be used.

Hazchem Code: · 2YE

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:

SMALL SPILLS: Slippery when spilt. Avoid accidents, clean up immediately. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

LARGE SPILLS: Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Product Name: PLASTI-BOND
Substance No: 000704533401

Issued: 20/10/2009
Version: 4

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Conditions for safe storage:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Benzoyl peroxide: 8hr TWA = 5 mg/m³

Dibutyl phthalate: 8hr TWA = 5 mg/m³

Styrene, monomer: 8hr TWA = 213 mg/m³ (50 ppm), 15 min STEL = 426 mg/m³ (100 ppm)

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Selleys Factory Safe Handling Code: Blue



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MANUFACTURE, PACKAGING AND TRANSPORT: Blue - Wear overalls (or 'issued' long pants and long sleeve tops), safety boots, gloves and face shield or chemical goggles. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
If risk of inhalation exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
FOR CONSUMER USE: Avoid contact with eyes and skin. Use with adequate ventilation. Wear gloves and eye protection when mixing or using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Colour:	Off-white to Grey
Solubility:	Insoluble in water.
Specific Gravity:	1.7 (Part A); 1.1 (Part B)
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	0.9 kPa (Part A)
Flash Point (°C):	31 (Part A)
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
% Volatile by Volume:	17 (Part A)
Melting Point/Range (°C):	Not applicable
Boiling Point/Range (°C):	145 (Part A)
Decomposition Point (°C):	Not available
pH:	Not applicable
Viscosity:	600 Pa.s (Part A)
Evaporation Rate:	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials:	Incompatible with acids, alkalis and oxidising agents.
Hazardous decomposition products:	Oxides of carbon.
Hazardous reactions:	Hazardous polymerisation may occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung). Swallowing may result in irritation of the gastrointestinal tract.
Eye contact:	An eye irritant.

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Skin contact: Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Long Term Effects:

No information available for the product. For Dibutyl phthalate (1) : Available evidence from animal studies indicate that repeated or prolonged exposure to this material could result in effects on the reproductive system.

Toxicological Data: No LD50 data available for the product. For the constituent Styrene (2): This material has been classified by the International Agency for Research on Cancer (IARC) as a Group 2B. Group 2B - The agent is possibly carcinogenic to humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN No: 3269
Class-primary 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: POLYESTER RESIN KIT
Hazchem Code: · 2YE

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 3269
Class-primary: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: POLYESTER RESIN KIT

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

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UN No: 3269
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Packing Group: III
Proper Shipping Name: POLYESTER RESIN KIT

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Hazard Category: PART A:
Xn: Harmful
PART B:
T : Toxic
Xi: Irritant

Risk Phrase(s): PART A:
R10: Flammable.
R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.
PART B:
R2: Risk of explosion by shock, friction, fire or other sources of ignition.
R7: May cause fire.
R36: Irritating to eyes.
R43: May cause sensitisation by skin contact.
R50: Very toxic to aquatic organisms.
Repr. Cat. 2. R60: May impair fertility.
Repr. Cat. 2. R61: May cause harm to the unborn child.

Safety Phrase(s): S2: Keep out of the reach of children.
S23: Do not breathe vapour/mist/aerosol.
S24/25: Avoid contact with skin and eyes.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Poisons Schedule: S5 Caution.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

- (1) Material Safety Data Sheet - Orica Australia Pty Ltd; 05/ 2009.
(2) Supplier Material Safety Data Sheet; 08/ 2009.

This material safety data sheet has been prepared by SH&E Shared Services, Orica.
For further copies of this sheet or other product information contact Selley's Proprietary Limited Customer Service.

Phone: 1300 555 205 (Australia wide)
Fax: 1300 555 305 (Australia wide)
Phone: 9 820 4852 (New Zealand)
Fax: 0800 804 583 (New Zealand)

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Reason(s) for Issue:

5 Yearly Revised Primary MSDS

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Orica Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Orica representative or Orica Limited at the contact details on page 1.

Orica Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.