

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:
Part A Building Filler Part A - Putty
Part B – Catalyst / Hardener

Other Names:
Part A Resin solution, flammable
Part B 50% (Di) Benzoyl Peroxide Paste,

Manufacturer's Code: Not applicable

Recommended Use: General purpose hard curing hole filler

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2. HAZARD IDENTIFICATION

NOHSC Classification: Hazardous substance
ADG Classification: Dangerous goods
SUSDP Classification: Schedule 5 poison

Part A
R20 Harmful by inhalation.
R36/38 Irritation to eyes and skin

Part B
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.
R60; May impair fertility
R61: May cause harm to the unborn child

S2 Keep out of reach of children.
S3/2 Keep in a cool place away from living quarters.

3. COMPOSITION

Ingredients

Part A:

<i>Component</i>	<i>CAS#</i>	<i>Amount % wt.</i>
Unsaturated polyester resin	Mixture	30-60%
Styrene	100-42-5	<10%
Quartz (Crystalline silica)	14808-60-7	<10%
Talc	14807-96-6	30-60%
Sodium Borosilicate Power	50815-87-7	<10%

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Other componenets determined to be non hazardous		<10%
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Part B:

<i>Component</i>	<i>CAS#</i>	<i>Amount % wt.</i>
Dibenzoyl Peroxide	Mixture	30 – 60%
Diocetyl Phthalate	117-81-7	10 – 30%
Other componenets determined to be non hazardous	13463-67-7	10 - 30%^

4. FIRST AID MEASURES

Swallowed

Part A

If swallowed, rinse mouth thoroughly with water. Give plenty of water to drink. Do NOT induce vomiting. If vomiting occurs, ensure that victim's head is lower than hips to prevent vomitus entering lungs. See a doctor.

Part B

Do NOT induce vomiting rinse mouth and lips with plenty of water. Seek medical advice.

Eyes

Part A and B

Use an eyes wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

Skin

Part A

Wash with soap and water. Get medical attention if irritation develops or persists.

Part B

Wash immediately and abundantly with plenty of soap and water and rinse thoroughly. If symptoms develop, seek medical advice. Launder clothes before reuse.

Inhaled

Part A and B

Remove from exposure-avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Restore breathing if necessary. Allow patient to assume most comfortable position and keep warm. See a doctor.

First Aid Facilities: Have eye wash available when exposure may occur

Advice to Doctor: Treat symptomatically

5. FIRE FIGHTING MEASURES

Extinguishing Media

Part A Use water spray, foam, dry chemical or carbon dioxide.

Part B Water spray. After cooling : Dry powder or Carbon dioxide.

Hazardous combustion products

Part A - Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide and other hazardous products of combustion.

Part B - If involved in a fire, it will support combustion, burns violently. Through thermal decomposition, formation of very reactive free radicals. Thermal decomposition giving flammable and harmful products: Methane, Ethane, Ethylene. Thermal decomposition giving flammable and toxic products : Carbon monoxide

Precautions for Firefighters

Fight fire from a distance (more than 15 M). Cool containers / tanks with water spray. Prohibit all sources of sparks and ignition – Do not smoke. Wear suitable protective clothing. Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Special protection

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.

Clean up

Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

Environmental precautions

Do not allow to enter drains or environment

7. HANDLING AND STORAGE

Handling

Part A

May self react if stored over 50°C. Product will produce heat during self-reaction producing gasses, which may cause container to expand and rupture.

Part B

Never weigh out in the storage room. Keep product and emptied container away from heat and sources of ignition. No sparking tools should be used. Avoid shock and friction. Confinement must be avoided. Don't pipe by mouth, and don't inhale. Never bring peroxide into direct contact with accelerator during processing. Weigh out, add peroxide or accelerator separately.

Storage

Part A

This product is unstable. Keep containers securely sealed and protected against physical damage. Store in a cool dark place, Store in a well ventilated area, out of direct sunlight and away from sources of heat and ignition.

Part B

Keep away from heat and sources of ignition. Store in well insulated area (peroxide area) away from other substances. Keep container tightly closed in a dry, cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards [NOHSC: 1003 (2004)].

Part A

	TWA	STEL
Quartz (respirable (crystalline silica))	0.1 mg/m ³	No data
Styrene monomer	50ppm	100ppm

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Part B

	TWA	STEL
Diocetyl phthalate)	5 mg/m ³	5 mg/m ³
Styrene monomer	5mg/m ³	No data

Biological Limit Value

BEI (styrene) = 400mg / creatine (urine, end of shift)

BEI (styrene) 0.2mg / styrene (venous blood, end of shift)

Engineering Controls

Use local exhaust ventilation or other engineering controls to minimize exposures.

Personal Protective Equipment

Eye Protection

Wear safety glasses when handling this product.

Skin Protection

Avoid skin contact by wearing chemically resistant gloves. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the exposure standard is not invalidated.

Gloves

Chemical resistant

Respiratory Protection

Exposure controls/Personal protection continued:

Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Approved air purifying respirator with organic vapor cartridge.

9. PHYSICAL AND CHEMICAL PROPERTIES

	Part A	Part B
Flash point (°C)	33	Not Established
Autoignition temperature	Not Established	Not Established
Lower Explosive limit (% in air):	1:1	Not Established
Upper Explosive limit (% in air):	6:1	Not Established
Physical State	Thick Paste	Thick Paste
Colour	Light Grey	Red
Odor	Styrene	Characteristic
Specific Gravity	1.0	1.3
VOC content (g/L)	170	Not Established
Boiling point	Not Established	195

10. STABILITY AND REACTIVITY

Conditions to Avoid

Part A

Hot environments

Part B

Hot environments

Mechanical impacts.

Chemical incompatibility

Part A

Oxidising agents, strong acids and peroxides.

Part B

Reducing agents

Hazardous polymerisation

Part A

May self react if stored over 50°C. Product will produce heat during self-reaction producing gases, which may cause container to expand and rupture.

Part B

Not established

Hazardous decomposition products

Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide and other hazardous products of combustion.

11. TOXICOLOGICAL INFORMATION

General:

Potential health effects by route of entry

Eye

Part A

An eye
irritant.

Part B May cause inflammation.

Skin

Part A

Contact with skin may result in irritation. Will have a degreasing effect on skin

Part B

May cause irritation and redness of the skin

Inhalation

Part A

Overexposure to vapours in poorly ventilated areas will cause irritation of the nose, throat and respiratory tract and may cause dizziness, headaches, nausea or unconsciousness.

Part B

Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache

Ingestion

Part A

Ingestion can result in vomiting and nausea.

Part B

Poison by ingestion. May cause human systemic eye effects by ingestion: hallucinations distorted perceptions, nausea or vomiting and kidney, ureter or bladder changes.

Part A:

Long term (chronic) health effect

Part A

Contains a substance that is a possible cancer hazard based on high dose animal studies and/or a human study. Upon prolonged or repeated contact, can cause moderated skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Upon prolonged and/or repeated exposure, can cause moderated respiratory irritation, dizziness, weakness, fatigue, nausea and headache

Part B

Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis. Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

12. ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

13. DISPOSAL

Dispose strictly in accordance with local industrial waste disposal and environmental protection regulation.

14. TRANSPORT INFORMATION

This product is a Dangerous Good for the purpose of transport.
Consult Bill of Lading for transportation information
Classification of the substance in compliance with UN Recommendations

UN Number: 3269
Proper Shipping Name: Polyester Resin Kit
Dangerous Goods Class: 3
Subsidiary Risk: None
Hazchem Code: 2YE
Poisons Schedule: 5
Packaging Group: III

15. REGULATORY INFORMATION

All components of this material are registered with NICNAS and appear on the AICS.
SUSDP: Part A is a schedule 5 poison

16. OTHER INFORMATION

Some of the mineral fillers in this product may contain a small amount of respirable crystalline silica. Respirable crystalline silica (Quartz) has been classified as a Group I Carcinogen (The agent is carcinogenic to humans) by IRAC when inhaled. Chronic exposure to high levels of crystalline silica may lead to impaired lung function and cause silicosis. The hazard is not present as supplied, however, when cutting, sanding, grinding or drilling the DRY product with power tools, a suitable dust mask (See AS1715 for selection guide) should be worn.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Australia Pty Ltd 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.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.