

SAFETY DATA SHEET

RESOMAST PIN GROUT CARTRIDGE

1.00 IDENTIFICATION OF COMPOUND

RESOMAST PIN GROUT CARTRIDGE: Two part product containing a resin and an activator

1.10 IDENTIFICATION OF MANUFACTURER

Adomast Building Chemicals Ltd.
Unit G, Lea Road Trading Estate, Waltham Abbey, Essex EN9 1AE
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2.00 COMPOSITION/INFORMATION ON INGREDIENTS

Resin Contains:

Chemical name	CAS No	Concentration(%w/w)	Hazard Symbol
Styrene	100-42-5	< 20%	Xn

Activator Contains:

Chemical name	CAS No	Concentration(%w/w)	Hazard Symbol
Dibenzoyl peroxide	94-36-0	< 18%	Xi

3.00 HAZARDS IDENTIFICATION

Resin - Harmful by inhalation. Irritating to eyes and skin. Flammable. Polymerises violently. Marine pollutant. **Activator** - May cause fire. May cause sensitisation by skin contact. May be irritating to the eyes.

4.00 FIRST AID MEASURES

Eyes: Flush eyes with copious amounts of water. Seek medical advice.
Skin: Remove contaminated clothing, taking care not to contaminate unaffected areas. Wash skin with soap and water. Seek medical advice. **Inhalation:** If inhalation of high concentrations of vapour or dust should occur, remove victim from exposure. Obtain medical attention. **Ingestion:** Do not induce vomiting. Wash out mouth with water, give 200-300 ml of water to drink and seek medical attention.

5.00 FIRE FIGHTING MEASURES

Extinguishing Media: Dry powder, foam, water fog. **Unsuitable Extinguishing Media:** Water jets, halones. **Special Hazards:** Containers of product exposed to fire may explode. These may be cooled with water spray/fog equipment. May emit toxic fumes and vapours on combustion. **Special protective equipment:** Wear suitable clothing to prevent eye/skin contact occurring. Wear suitable breathing apparatus.

6.00 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Beware of vapours accumulating to form explosive mixtures. **Environmental Precautions:** Do not allow product to enter drains or water courses. Advise local authorities if this is not possible. **Clean Up Methods:** Scrape up and place in suitable container for disposal.

7.00 HANDLING AND STORAGE

Handling: Avoid contact with eyes/skin. Avoid dust generation. Do not breathe vapour. Provide adequate ventilation, including local extraction if necessary. Use appropriate breathing apparatus if this is not possible. Keep products and emptied containers away from heat and sources of ignition. **Storage:** Store in a dry, well ventilated area. Protect containers from heat. Keep containers closed and dry when not in use. Do not store near food and drink.

8.00 EXPOSURE CONTROLS/PERSONAL PROTECTION

Resin component contains: Styrene

LTEL: 100 ppm 8hr TWA STEL: 250 ppm 10 min

Activator component contains: Dibenzoyl peroxide LTEL: 5mg/m³ 8hr TWA
Good working practice suggests that full body protective clothing should be worn when handling this product. Wear suitable breathing apparatus in confined or poorly ventilated spaces if local exhaust ventilation is not possible.

9.00 PHYSICAL AND CHEMICAL PROPERTIES

Resin:

Form: Thick coloured paste **Odour:** Styrene
Flash Point (°C): 31 **Specific gravity:** 1.63
Flammability: Flammable

Activator:

Form: White smooth paste **Odour:** Faint
Flash Point (°C): Above the SADT **Specific gravity:** 1.60
Flammability: Will support combustion if involved in fire

10.00 STABILITY AND REACTIVITY

Conditions to avoid: Do not leave containers open when not in use. Protect from high temperatures. **Activator** – A dangerous self accelerating decomposition reaction and under certain circumstances explosion or fire can be caused by direct contact with incompatible substances or by thermal decomposition. **Materials to avoid:** **Resin** - Oxidising agents, mineral acids, alkalis, phosphorous pentoxide, peroxides, metal halides. **Activator** - Acids, alkalis, heavy metals, reducing agents, rust.
Hazardous decomposition products: Toxic fumes and vapours may be

produced upon thermal decomposition of the product including : **Resin** - Oxides of carbon and smoke. **Activator** - Benzoic acid, benzene and phenyl benzoate

11.00 TOXICOLOGICAL INFORMATION

Inhalation: **Resin** - Exposure to styrene at concentrations equal to the LTEL may result in : irritation of nose, throat and respiratory tract, fatigue and drowsiness. Higher concentrations will have the following effects : severe irritation of nose, throat and respiratory tract, CNS depression, loss of consciousness, coma and death. **Activator** – LD₅₀ rat > 24.3 mg/l 4 hr exposure time max. **Skin contact:** **Resin** - May cause irritation. Repeated or prolonged exposure may cause dermatitis. **Activator** – Non irritating. **Eye Contact:** **Resin** – Severe irritant. **Activator** – Mildly irritating. **Ingestion:** **Resin** – Material is classed as harmful. An LD₅₀ (rat) is 5 g/Kg for styrene. LC₅₀ (rat) ranges between 2770-6000 ppm. **Activator** LD₅₀ (rat) > 5000 mg/Kg.

12.00 ECOLOGICAL INFORMATION

Resin- Marine pollutant. Do not discharge into drains or the environment.
Activator – Based on Dibenzoyl peroxide.
Fish acute toxicity, 96h – LC₅₀ >2.0 mg/l (poecilia reticulata)
Bacteria activated sludge respiration inhibition test EC₅₀ = 35mg/l readily biodegradable.

13.00 DISPOSAL CONSIDERATIONS

Resin - Disposal of product and contaminated containers by incineration in accordance with local, state or national regulations only after taking specialist advice. **Activator** - Disposal of product and contaminated containers by landfill in accordance with local, state or national regulations. Reacted components may be treated as low hazard waste.

14.00 TRANSPORT INFORMATION

Resin - **UN No:** 1866
Proper Shipping Name: Resin solution, flammable (Contains styrene)
Class/Packing Group: 3/III **HAZCHEM Code:** 31YI
ADR/RID Item No: 31 (°C) **ADR/RID Hazard ID No:** 30
Activator-UN No: 3108
Proper shipping name: Organic peroxide Type E Solid(Dibenzoyl Peroxide)
ADR/RID Class: 5.2 **Item No.:** 8b

15.00 REGULATORY INFORMATION

Resin-
Classification: Harmful, Flammable
Risk Phrases: R20: Harmful by inhalation.R10: Flammable
R36/38: Irritating to eyes and skin.
Safety Phrases: S23: Do not breathe fumes.
S28: After contact with skin, wash immediately with plenty of soap and water.
Activator-
Risk Phrases: R7: May cause fire. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.
Safety Phrases: S3/7/9: Keep container tightly closed in a cool ventilated area.
S26: In case of contact with eyes, wash immediately with plenty of soap and water.
S14: Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds. S50B: Do not mix with Peroxide accelerators. S50C: Do not mix with reducing agents.

16.00 OTHER INFORMATION

Every effort has been made to ensure that the information contained in this safety data sheet is reliable but we cannot accept any liability for any loss, injury or damage that may result from use of the product. This information does not constitute assessment of risk as required by health and safety legislation. Data given in this safety data sheet are solely for guidance in safe handling and use of the product by customers; they do not form part of any specification.

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