

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: MONOSET RXP – Part A (Powder)
Company: Ronacrete (Far East) Ltd., 16/F, No. 3 Lockhart Rd,
Wanchai, Hong Kong SAR
Tel/Fax: +852 2865 5872 / +852 2865 5568

2. COMPOSITION

Composition: Silica sands and inert fillers, Benzoyl Peroxide.

Hazardous Ingredient(s) Symbol Risk Phrases Other Information %
Benzoyl Peroxide E,Xi R2, 7, 36, 43 Cas No: 94-36-0 <5

3. HAZARDS IDENTIFICATION

IRRITANT - May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Inhalation of vapour: Remove to fresh air
Skin Contact: Prolonged contact may cause irritation
Wash off with soap and water
Remove soiled clothing
Eye Contact: May cause irritation
Wash out with plenty of clean water
Seek medical attention if symptoms persist
Swallowing: Seek immediate medical attention

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.
Special Exposure Hazards: None.
Special Protective Equipment: None.

6. ACCIDENTAL RELEASE MEASURES

Personal protection - refer to Section 8.
Prevent the product from entering soil, natural waters and drains.
Spillages should be contained and handled dry, avoid creating dust.
For disposal methods refer to Section 13.

7. HANDLING AND STORAGE

Handling: Avoid breathing dust. Avoid skin and eye contact.
Storage: Store away from acids and alkalis. Keep containers dry and tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Measures:
Use only in well ventilated areas.
Personal Protective Equipment:
In case of insufficient ventilation wear suitable respiratory equipment.
Avoid skin and eye contact.
Impervious gloves (eg PVC).
Safety glasses.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Granulated powder
Colour: Various
Odour: Odourless
pH(concentrate): Not applicable.
Boiling Point/Range (°C): Not applicable.
Melting Point/Range (°C): Not applicable.
Flash Point (closed, °C): None.
Autoflammability (°C): >380
Explosive Properties (%): Not applicable.
Oxidising Properties: Not determined.
Relative Density (at 20 °C): 1.4 (bulk)
Water Solubility: Insoluble.

10. STABILITY AND REACTIVITY

Stability: Stable.
Conditions to Avoid: None known.
Materials to Avoid: Strong alkalis. Strong acids.
Hazardous Decomposition Products: Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Health Effects
On Eyes: Irritating and may injure eye tissue if not removed promptly.
On Skin: Repeated or prolonged contact with abraded or damaged skin may cause allergic skin reaction in susceptible people. May cause sensitisation.
By Inhalation: Irritating to respiratory system.
By Ingestion: May cause irritation of mouth, throat and digestive tract.
Chronic: Repeated and prolonged skin contact may lead to skin disorders.
Other: None known.

12. ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility: Insoluble in water.
Persistence and Degradability: Expected to be readily biodegradable.
Bioaccumulative Potential: Not known.
Ecotoxicity: Not expected to be ecotoxic to fish/daphnia/algae.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.
Dispose of through an authorised waste contractor to a licensed site.

14. TRANSPORT INFORMATION

The product is not classified as hazardous according to International Transport Regulations.

15. REGULATORY INFORMATION

Named Ingredients: Benzoyl Peroxide
Symbol(s): Xi
Risk Phrases: May cause sensitisation by skin contact.
Safety Phrases: Do not breathe dust.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves and eye/face protection.

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EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.

16. OTHER INFORMATION

The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use.

MATERIAL SAFETY DATA SHEET**1. IDENTIFICATION OF PRODUCT AND COMPANY**

Product: MONOSET RXP – Part B (Resin)
Company: Ronacrete (Far East) Ltd., 16/F, No. 3 Lockhart Rd,
Wanchai, Hong Kong SAR
Tel/Fax: +852 2865 5872 / +852 2865 5568

2. COMPOSITION

Unsaturated Polyester Resin – 60% to 90%
Styrene CAS 100-42-5 / EC 202-851-5 10% to 40% Xn/Xi

EXPOSURE LIMITS

Ingredients -	MAK-value	BAT-value
Styrene	20 ppm(86 mg/m ³)	600 mg/g

3. HAZARDS IDENTIFICATION

HARMFUL / IRRITANT - May cause sensitisation by skin contact, may cause allergic skin and respiratory condition. Causes eye burns. Vapours can cause headache, nausea, dizziness, fatigue, drowsiness and can have a narcotic effect if inhaled.

4. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes using eye wash bottle if possible. Call a physician.
Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse.
Inhalation: Move victim to fresh air. Give oxygen and/or artificial respiration if needed. Call a physician.
Ingestion: Give plenty of water to drink. Do not induce vomiting. Call a physician. Never give anything by mouth to an unconscious person. Delayed effects from exposure (Styrene) can be expected.
Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

5. FIRE FIGHTING MEASURES

Flammability Classification: Flammable Liquid
Flash point (°C): 31 (Styrene)
Minimum limit of explosion: 1,1 Vol % (Styrene)
Maximum limit of explosion: 8,9 Vol % (Styrene)
Extinguishing media: Carbon dioxide (CO₂), dry chemical, foam, water jet spray
Special fire fighting procedures: Cool with water spray. Use protective respirator with independent air supply. Isolate from heat, electrical equip., sparks, and open flame.

In case of fire the following can develop: Gases hazardous to health
Carboxylic acids
Oxides of carbon
Organic decomposition products (may be toxic)
Flammable vapor / air mixtures
Vapors hazardous to health

6. ACCIDENTAL RELEASE MEASURES

Personal protection - refer to Section 8.
Prevent the product from entering soil, natural waters and drains.
Spillages should be covered with an absorbent material. Remove all sources of ignition
For disposal methods refer to Section 13.

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7. HANDLING AND STORAGE

Handling: Avoid breathing vapour. Avoid skin and eye contact.
Storage: Keep in a cool dry place out of direct rays of sun. do not store products in walkways or stairwells. Store below 25 °C. Keep away from ignition sources such as excess heat, sparks, and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL MEASURES

Use only in well ventilated areas.

PERSONAL PROTECTION

Respiratory Protection: Use approved organic vapour respirator when vapour concentrations exceed recommended exposure limits.

Ventilation: General (natural or mechanically induced) fresh air movements that maintain vapor concentrations below recommended exposure limits.

Eye Protection: Safety glasses (Side shields recommended).

Protective Gloves: Impermeable (Neoprene, PVC or rubber).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid Resin Compound

Color. : Purple

Odour: characteristic

Ignition Temperature: 490 °C

Boiling point / range (°C): 145 °C (Styrene)

Melting point / range (°C): 31 °C (Styrene)

Oxidizing properties: No

Vapor pressure: A: 6h Pa/20 °C (Styrene)

Relative density (g/ml): A: 1,15 g/cm /20 °C

Bulk density: A: 630 kg/m /20 °C

Solubility in water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable at temperatures below 60 °C
Incompatibility: Avoid contact with other chemicals, rust, bases, amines, acids - violent reaction, heavymetal salt, strong alkalis and oxidizing agents.
Hazardous decomposition products: Carbon dioxide, carbon monoxide, and carboxylic acids.

11. TOXICOLOGICAL INFORMATION

Health Effects

On Eyes: Causes Eye Burns.

On Skin: May cause sensitisation by skin contact, may cause allergic skin condition..

By Inhalation: Vapours can cause headache, nausea, dizziness, fatigue, drowsiness and can have a narcotic effect if inhaled. May cause allergic respiratory condition

By Ingestion: May cause irritation or burns of mouth, throat and digestive tract.

Chronic: Repeated and prolonged skin contact may lead to skin disorders.

12. ECOLOGICAL INFORMATION

Liquid with moderate mobility.

Water hazard class: 2 (hazardous)

Behavior in sewage plants: n/a

Toxicity to fish: LC50 Leuciscus idus 35 mg/l/48h (Styrene)

Toxicity to bacteria: EC10 Pseudomonas putida 250µl/1/18h (Styrene)

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13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.
Dispose of through an authorised waste contractor to a licensed site.

14. TRANSPORT INFORMATION

UN number:	1866
Proper shipping name :	Resin in solution (Flammable liquids)
Classification of Hazardous Material:	3
Packing Group:	III

15. REGULATORY INFORMATION

Named Ingredients:	Polyester Resin
	Styrene Monomer Xn/Xi

16. OTHER INFORMATION

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