

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

Product: Monocure 50
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

Preparation:
Chemical Nature: Aqueous dispersion of acrylic copolymer.
Protective Colloid: surfactant.
Hazardous constituents: None.
Further information: Dry extract approx. 37± 1%

3. HAZARDS IDENTIFICATION

Adverse human health effects: Slightly irritating to eyes.
Physical and chemical hazards: No particular fire or explosion hazard.
No specific hazard under normal conditions of use.
Classification/Special hazards: According to EEC criteria, this product is not
classified as a "hazardous preparation".
Further information: After drying, may stick to the skin.

4. FIRST AID MEASURES

Inhalation: Not specifically applicable (aqueous liquid).
If breathing stops, give artificial respiration.
Skin contact: Immediately rinse with plenty of water.
Eye contact: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.
If irritation persists, consult an eye specialist.
Ingestion: NEVER attempt to induce vomiting. If the person is fully conscious make him/her drink
water (500ml/max).
NEVER give an unconscious person anything to drink. Call a doctor who will decide
whether a stomach wash-out is necessary.

5. FIRE FIGHTING MEASURES

Suitable: All extinguishing agents can be used.
Not suitable: None. If there is a fire close by, use suitable
extinguishing agents.
Specific hazards: Aqueous liquid. Does not present any particular risk in
the event of a fire. On heating there is a risk of a build-
up of pressure in hermetically sealed containers or tanks.
Specific fire fighting methods: In case of significant fire close by:
Cool down the containers/equipment exposed to heat
with a water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Personal protective equipment:
- appropriate gloves.
- Safety glasses.
- Water-proof boots.
Stop the leak. Turn leaking containers leak-side up to prevent the
escape of liquid.

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Environmental precautions:	Avoid direct discharged into drains. For a large spillage, contain the spillage by bunding.
Methods for cleaning up:	
- Recovery	Recover as much of the product as possible. Pump up the product into a spare container: - suitably labelled. - with a closing device. Keep the recovered product for subsequent disposal.
- Neutralization:	Absorb non-recoverable liquid with: - saw-dust or an inert absorbent material. - earth or sand.
- Cleaning/Decontamination:	Wash contaminated area with large amounts of water.
- Disposal:	For disposal of residues refer to section 13 "Disposal considerations".
Further information:	Event when present in trace quantities (highly diluted liquid) it may give the cleaning water a white colour. Dry polymerised residues may be cleaned up with a high-pressure water jet.

7. HANDLING AND STORAGE

HANDLING

Technical measures:	Does not require any specific or particular measures.
Safe handling advice:	Do not mix incompatible materials (See list section 10). Comply with instructions for use.

STORAGE

Technical measures:	Does not require any specific or particular technical measures.
Storage conditions:	
- Recommended:	Stable for at least 12 months under normal storage conditions. To guarantee the quality and properties of the product keep: - the container tightly closed. - protected from frost. - at temperatures not exceeding 30 °C.
- To be avoided:	The possible development of bacteriological contamination due to prolonged storage and/or storage in a badly cleaned or unclosed container.
Incompatible products:	Products reacting with water.
Packaging:	Bulk product: - General purpose stainless steel tankers.
For small quantities:	- Plastic bottles. - Plastic drums. - Steel drums with an inner lining.
Packaging materials:	
- Recommended:	Water-resistant materials. Stainless steel. Aluminium. Plastic coated materials. Plastic materials.
- Not suitable	Materials which are not water resistant.
Further information:	After drying leaves a film adhering to the surfaces. Immediately rinse contaminated containers, equipment and tools with water.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

Personal protective equipment

- Hand protection: Prolonged and/or repeated handling:
Impermeable protective gloves.

- Eye protection: Safety spectacles.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPERANCE:

- Physical state: Liquid.
- Colour: Translucid.

Odour: soft
pungent.
pH: 8 ± 1 (Product as is).

Specific temperatures:

- Freezing: approx 0°C.
- Boiling: 100°C.
Decomposition temperature: >320°C (Following evaporation of water).

Flammability characteristics:

- Flash point: Not applicable (aqueous liquid).

Oxidizing properties:

Non oxidizing material according to EEC criteria.

Explosive limits in air:

Not applicable (aqueous liquid).

Vapour pressure:

23 hPa, at 20°C (water).

Specific gravity:

Approx. 1.05kg/dm³.

Solubility:

- in water: Miscible (in all proportions).
- in organic solvents: Insoluble or practically insoluble in common organic solvents.
Generally separates into 2 phases.

Dynamic viscosity:

<200 m Pa.s.

VOC:

< 350 grams per litre

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperature and under normal conditions of use.

Hazardous reactions:

- Materials to avoid: - hydrides.
- materials or products which react with water.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No results for this product. Howeverny analogy this product is not considered to pose any particular risk on ingestion.

Local effects:

Repeated or prolonged contact may cause slight irritation to the skin.
May cause slight temporary irritation to ocular mucous membranes.
Contain 3% in weight of monopropyleneglycol

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Behaviour in the environment:

Mobility: Volatile component (water): approx 63%.

Persistence/Degradability: Very slightly biodegradable.

Destination of the product: Ultimate destination of the product: WATER.

Ecotoxicity:

- Effects on the aquatic environment:

No information available.

13. DISPOSAL CONSIDERATIONS**WASTE FROM, RESIDUES**

Prohibition:

Do NOT put down the drain. Must undergo physico-chemical treatment prior disposal.

Destruction/Disposal:

Coagulate the particles in suspension either with aluminium sulphate or calcium chloride. Decant and neutralize contaminated water prior to disposal (pH between 5.5 and 8.5 inclusive). Dispose of solid residues at a licensed site. Aqueous effluent can be treated using ultra-filtration techniques. Separate out the solid particles and dispose of at an approved site. Small quantities; allow the product to dry then incinerate solid residues at an approved site.

CONTAMINATED**PACKAGING:**

Decontamination/cleaning:

Clean with water.

Treat the cleaning water following the above method for waste product.

Destruction/Disposal:

Reuse or recycle following washing.

FURTHER INFORMATION:

Contaminated residues may turn green due to mould and become nauseating.

NOTE:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. TRANSPORT INFORMATION

>> International regulations:

Land:

- Rail/road (RID/ADR):

NOT restricted.

- Sea (IMO/IMDG):

NOT restricted.

- Air (ICAO-IATA):

NOT restricted.

>> Specific precautionary measures:

Protect from frost.

NOTE:

The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with the Ronacrete commercial agency.

15. REGULATORY INFORMATION

>> Labelling:

EEC regulations:

Mandatory labelling (self-classification) of hazardous proportions:

Not applicable.

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NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet.
The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Type of Regulated Paint under the Air Pollution Control (Volatile Organic Compounds) Regulation of Hong Kong: Concrete curing compounds

16. OTHER INFORMATION

Uses:
Recommended uses: Particularly for primer application.
(For further information, refer to the product technical data sheet).

Registration numbers: These polymers are not concerned by the EINECS inventory.
The corresponding monomers are registered in the EINECS inventory.
