

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: Monocure 90
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

Clear amber liquid
Solutions of solid hydrocarbon resin in petroleum distillate, and a small quantity of anionic surfactant.
Hazardous ingredients: Kerosene
CAS No: 008008-20-6
Symbol: Xn
R Phrase: R10, R22, R38, R52/53

3. HAZARDS IDENTIFICATION

Flammable. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Harmful if swallowed. Irritating to skin.

4. FIRST AID MEASURES

Eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart for at least 10 minutes. Obtain medical attention.

Skin Contact: Remove contaminated clothing. Wash skin with water. If symptoms (irritation or blistering) occur obtain medical attention.

Inhalation: Remove patient from exposure. Obtain medical attention.

Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300ml of water to drink. Obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

Flammable.
Extinguishing Media: Water spray, foam, dry powder or CO₂. Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

Flammable. Eliminate sources of ignition. Ventilate area. Absorb spillage's onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Do not allow to enter drains, sewers or watercourses. Spillage's or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Do not breathe vapour/spray. Provide adequate ventilation to ensure that the defined occupational exposure limit is not exceeded.

Storage: Take precautionary measures against static discharges. Keep away from heat and sources of ignition. Keep away from strong oxidising agents.

Storage temperature: Ambient.

MATERIAL SAFETY DATA SHEET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable gloves and eye/face protection.
 Contaminated clothing should be thoroughly cleaned.
 Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Occupational Exposure Limits:

Hazardous Ingredient(s)	LTEL 8Hr	TWA mg/m ³	ppm	STEL mg/m ³	Time mins
Oil mist, mineral	---	5	---	10	OES
May contain:					
Benzene	5	16	---	---	MEL
Toluene	50	188	150	560	OES
Xylene	100	435	150	650	OES
Trimethyl benzene (all isomers or mixtures)	25	123	---	---	OES
Ethyl Ecnzene	100	435	125	545	OES
Napthalene	10	50	15	75	OES

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	pH:	Not applicable
Colour:	Clear Amber	Melting point (0°C):	<39
Odour:	Mineral oil-like	Auto ignition temp (0°C):	225
Boiling point (0°C):	150-270	Flammable limits (U) (%V/V):	6
Flash point (°C):	46 (Closed cup)	Vapour	
Flammable limits (L) (%V/V):	1.7	Kinematic Viscosity: 2 cst @ 40°C	
Oxidising properties:	N/A		
Pressure (Pascals):	200 Approx. @ 15.5°C		
Density(g/m):	0.79-0.81		
VOC:	< 350 grams per litre		

10. STABILITY AND REACTIVITY

Stable under normal conditions.
 Hazardous Reactions: Can react violently if in contact with strong oxidising agents.
 Hazardous Decomposition Products: Unknown.

11. TOXICOLOGICAL INFORMATION

Eyes:	Practically non-irritant.
Skin:	Irritating to skin. Will remove the natural greases resulting in dryness, cracking and dermatitis. Unlikely to cause skin sensitisation. Unlikely to be hazardous by skin absorption. Dermal Median Lethal Dose > 2g/kg (rabbit).
Inhalation:	Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature. High concentrations of mist may be irritant to the upper respiratory tract. The vapour has anaesthetic properties and when inhaled at high concentrations, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.
Ingestion:	Harmful if swallowed. Aspiration of droplets may cause pulmonary oedema.

MATERIAL SAFETY DATA SHEET

Long Term Exposure: Similar materials have been found to possess weak carcinogenic activity in mice following repeated skin application. Severe skin irritation occurred in the animals and this repeated tissue damage may have had an effect on the extent to which skin tumours developed. Personal hygiene measures taken to prevent skin irritation should be adequate to prevent risk of skin cancer.

12. ECOLOGICAL INFORMATION

Environmental Fate & Distribution: Liquid with moderate volatility. The product is essentially insoluble in water. The substance has high potential for bioaccumulation. The substance is predicted to have moderate mobility in soil.

Persistence & Degradation: There is evidence of photodegradation in air, there is no evidence of hydrolysis in water.

The product by analogy, is expected to be partially biodegradable in water.

Toxicity: Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Contaminated materials or packaging should be disposed of as special waste in accordance with Duty of Care regulations (Environment Protection Act 1990 Section 34(7)) using a licensed waste disposal company. Unwanted material should also be disposed of using a licensed waste disposal company.

14. TRANSPORT INFORMATION

SEA (IMDG)

Proper Shipping Name: Monocure 90

UN No: 1866 Class: 3.3 Packaging Group: III

AIR (ICAO/IATA)

Proper Shipping Name: Monocure 90

Packaging Group: III

UN/ID No: 1866 Class/Division: 3

LAND (RID/ADR, RTMDR/RTMOF)

Transport Name: Monocure 90

Substance Identification No: 1866 Class: 31 (C)

15. REGULATORY INFORMATION

ECC Classification. Flammable and harmful. Dangerous to the environment.

R-Phrases:

R10 - Flammable R22 - Harmful if swallowed

R38 - Irritating to skin R52 - Harmful to aquatic organisms

R53 - May cause long term adverse effects in the aquatic environment.

S-Phrases:

S23 - Do not breathe vapour/spray

S34 - Avoid contact with skin

S43 - In case of fire, use water spray, foam, dry powder or CO₂

S61 - Avoid release into the environment. Obtain special instructions for use.

S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show container or label.

S2 - Keep out of reach of children.

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

16. OTHER INFORMATION

It is the responsibility of the user to carry out a full assessment of the risks associated with the use of the above product in accordance with the current C.O.S.H.H. regulations.