

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

Product: Ronabond PU Cleaner  
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**

Ingredient	CAS number	Proportion
DIMETHYL ESTERS	mixture	VHIGH
ALKYLSULPHONIC PHENYL ESTER	91082-17-6	MED

Proportion (% weight/weight): VHIGH >60, HIGH 30 – 60, MED 10 – 29, LOW 1 – 9, VLOW <1

**3. HAZARDS IDENTIFICATION**

**UN number:** --  
**Hazchem code:** --  
**Class:** --  
**Packing group:** --  
**Correct shipping name:** --

**Not dangerous cargo, keep separated from foodstuffs**

**4. FIRST AID MEASURES**

**Notes to physician:** Treat symptomatically. Effects may be delayed. Following exposure the patient should be kept under medical supervision for at least 48 hours.

**Ingestion:** Rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.

**Inhalation:** Remove victim from exposure. Keep warm. Keep at rest until fully recovered. If breathing becomes laboured and patient is cyanotic (blue), ensure airways are clear and have qualified person give oxygen. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical attention.

**Skin contact:** Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use.

**Eye contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Urgently seek medical assistance.

**5. FIRE FIGHTING MEASURES**

**Specific hazards:** Will emit toxic fumes on burning including those of carbon oxides and sulphur dioxide.

**Suitable extinguishing media:** Foam, carbon dioxide and chemical powder. Water fog) of if unavailable fine water spray) may be used if no other media is available, and then only in copious quantities.

**Required special equipment for fire fighters:** Self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****For minor spillage:**

1. Wear skin and eye protection.
2. Treat spillage with solid media (eg sand, sawdust or chemical binder).
3. Remove and dispose of residues according to local authority regulations.

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**For major spillage:**

1. Clear area of all unprotected personnel
2. Wear full protective equipment including splash suit, approved vapor respirator or air supplied mask, gloves, boots and eye protection.
3. Prevent run off into drains and waterways.
4. Cover with wet soil, wet sand or solid decontaminant.
5. Shovel into open top drums for further decontamination if necessary.
6. Wash down area with excess of a weak acetic acid solution in water.
7. Ventilate the area well before allowing unprotected personnel to re-enter the area.

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**7. HANDLING AND STORAGE**

**Storage:** Store indoors in a dry, well-ventilated area. Recommended storage temperature 10 – 35°C.

**Materials to avoid:** Oxidizing agents and sources of ignition.

**Unsuitable containers:** None known

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

National occupational exposure limits:

No values assigned for this specific material by the National Occupational Health and Safety

**Personal protection:** Avoid inhalation of fumes, use with local exhaust ventilation or while wearing an approved vapor respirator. Avoid contact with skin. Wear eye protection.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance and Odour:</b>	Clear liquid
<b>Specific gravity:</b>	Ca 1
<b>Viscosity:</b>	<100cps
<b>% volatiles:</b>	25
<b>pH:</b>	5 – 7 ( 5% aqueous solution)
<b>Solubility in water:</b>	Slightly miscible with water
<b>Boiling point (°C):</b>	>200
<b>Flash point (°C):</b>	>100
<b>Flammability limits (%):</b>	1 – 9 by volume
<b>Autoignition Temp (°C):</b>	Not available
<b>Vapour pressure (20 °C):</b>	Not available
<b>Vapour density:</b>	Not available
<b>Melting point (°C):</b>	-20
<b>Decomposition point (°C):</b>	Not available
<b>Sublimation point (°C):</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable

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**10. STABILITY AND REACTIVITY**

**Materials to avoid:** Oxidizing agents and sources of ignition.

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**11. TOXICOLOGICAL INFORMATION**

**Eye contact:** Vapour and liquid can cause severe eye irritation, may cause chemical conjunctivitis.

**Skin contact:** Contact may result in moderate irritation. May cause sensitisation in some individuals. Repeated or prolonged contact may result in allergic contact dermatitis.

**Inhalation:** Vapour is an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in irritation to eyes, nose, throat and lungs, combined with dryness of the throat, tightness of the chest and difficulty breathing. The onset of respiratory symptoms may be delayed for several hours after exposure.

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**Ingestion:** May cause nausea, vomiting and irritation to the gastrointestinal tract.

**Long-term effects:** No information available

**Acute toxicity / Chronic toxicity:** No LD50 data available for this product.

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12. ECOLOGICAL INFORMATION

Not expected to bioaccumulate. Readily biodegradable

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13. DISPOSAL CONSIDERATIONS

Refer to Local Authority.

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14. TRANSPORT INFORMATION

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15. REGULATORY INFORMATION

R-phrases

R20

Harmful by inhalation.

R36/37/38

Irritating to eyes, respiratory system and skin.

R42

May cause sensitisation by inhalation.

S-phrases

S26 In case of contact with skin, wash immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap and water.

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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16. OTHER INFORMATION

This MSDS summarises at the date of issue our best knowledge of health and safety hazard information for this product, and in particular how to safely handle and use the product in the workplace. 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.

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