

**MATERIAL SAFETY DATA SHEET**

## 1) IDENTIFICATION OF PRODUCT AND COMPANY

Product: Monoprufe RTU 401  
Intended use: Waterproofing Coatings  
Supplier: Ronacrete (Far East) Limited  
Telephone: +852 2865 5872  
Facsimile: +852 2865 5568

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## 2) COMPOSITION

	% by weight	CAS No
Water	41%	7732-18-5
Butyl acrylate, 2-hydroxyethyl acrylate, styrene, acrylic acid, methyl methacrylate polymer	20%	25035-69-2
Calcium carbonate	36%	471-34-1
Titanium dioxide	2.58%	13463-67-7
Aluminium hydroxide	0.21%	21645-51-2
Silica amorphous	0.21%	7631-86-9

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## 3) HAZARDS IDENTIFICATION

If prolonged skin contact may produce redness.  
If not carefully ingested, the stomach will produce irritation.

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## 4) FIRST AID MEASURES (Applicable to both resin and hardener)

## Skin contact :

Remove contaminated clothing and shoes as rapidly as possible. Flush affected area with copious quantities of water using soap if available. Get medical attention if irritation persists. Contaminated clothing should be cleaned and discarded.

## Eye contact :

Immediately flush eyes with lukewarm water for at least 20 minutes, keeping eyelids apart and away from eyeballs during irrigation. Get competent medical attention immediately.

## Inhalation :

Before doing rescuing, rescuers should wear appropriate personal protections to ensure their safety. Quick removal from the contaminated area is most important. Unconscious persons should be move to an uncontaminated area. If breathing has stopped, start giving mouth-mouth resuscitation and supplemental oxygen. If there is no pulse, give cardiopulmonary resuscitation (CPR) and seek immediate medical advice.

## Ingestion :

Never give anything by mouth to a victim who is unconscious or is having convulsions. Give a victim water to rinse the mouth or give large amounts of water to dilute, if a victim is conscious. Do not induce vomiting. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician immediately.

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### 5) FIRE FIGHTING MEASURES

Hazards property :

Flammable. When its vapor contacts with air, it can form explosive mixtures. When contact with fire, high-heat, it can cause combustion and explosion. When contact with oxidants, it can occur strong reaction. Its vapor is heavier than air, so it can spread to a considerable long distance at lower area. If contact with fire source, it can be on fire and re-burning.

Hazardous combustion product :

Carbon monoxide, Carbon dioxide

Fire fighting method :

Suitable fire extinguishing media: Carbon dioxide, dry chemical powder, foam.

Specific hazards may be encountered during fire-fighting:--

Specific fire-fighting methods:--

Specific equipment for the protection of firefighters:

The firefighters must use respirators, special protective clothing and protective gloves.

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### 6) ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep away ignition sources. Wear suitable protective equipment.

Environmental precautions: Try to prevent the material from entering drains or water courses.

Ventilate area to dispel any residual vapors.

Methods for cleaning up:

If safety allows, stop or reduce the leakage.

Use stable and inflammable materials such as sands or soil to stop leakage.

Use water to wash the area, when the leakage is in a small amount.

Call the emergency center or suppliers to help, when the leakage is in a large amount.

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### 7) HANDLING AND STORAGE

Handling:

Ensure good ventilation/suction at the workplace. Avoid open flames and sources of ignition.

Storage:

Keep away from food and drink. Keep container tightly sealed.

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### 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Project control :

Ensure for good ventilation/suction.

Personal protective equipment:

Respiratory protection: suitable breathing mask when there is inadequate ventilation.

Hand protection: suitable protective gloves.

Eye protection: protective goggles.

Skin and body protection: suitable protective clothes.

Hygienic measures:

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

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## 9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Liquid.  
Odor: Mild irritation.  
PH value: 7.5~8.5  
Boiling point/boiling point range: >100°C  
Density: (20°C)1.08g/cm<sup>3</sup>  
Solubility: (20°C)Soluble in water.

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## 10) STABILITY AND REACTIVITY

Stability: Stable.  
Hazardous Decomposition Products: Burning may produce carbon monoxide if the carbon dioxide and other unknown products.

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## 11) TOXICOLOGICAL INFORMATION

Routes of exposure:--  
Symptoms:  
Eye Irritation: --  
Skin Irritation : --  
Inhalation: --  
Acute toxicity: --  
Chronic toxicity or long term toxicity: --

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## 12) ECOLOGICAL INFORMATION

Ecotoxicity: This product may cause environmental pollution.  
Persistence and degradability: No evidence of a biodegradable nature.  
Bioaccumulative potential: No evidence of a bioaccumulation.  
Mobility in soil:--  
Other adverse effects:--

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## 13) DISPOSAL CONSIDERATIONS

Methods of waste disposal:  
Refer to relevant laws and regulations. Conform to storage conditions to storage the disposal waste.  
Use the specific method of incineration or sanitary landfill treatment.

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## 14) TRANSPORT INFORMATION

United Nations number(UN No):UN-3082  
UN Proper shipping name: Environmentally hazardous substance, Liquid, N.O.C  
Transport hazard class(es): 9  
Packing group: III  
Marine pollutant(Yes/No):No  
Specific transport measures and precautionary conditions: Please bring the material safety data sheets.

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## 15) REGULATORY INFORMATION

Type of Regulated Paint under the Air Pollution Control (Volatile Organic Compounds) Regulation of Hong Kong: Roof Coatings (Exposed)

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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. Further information may be obtained from Ronacrete (Far East) Ltd.