

## SAFETY DATA SHEET

Date of Issue: 31.05.2024

Version: 1.0

### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

<b>Material name</b>	ATM PU 2IN1 Waterproof
<b>Recommended use</b>	Suitable to use as waterproofing to protect and prevent leakages for areas such as rooftop, balcony, roof tile, etc. Also using to cover cracks on wall surfaces.
<b>Supplier</b>	UR Chemical Co., Ltd.
<b>Address</b>	81, Moo 11, Tambol Bang-pla, Amphur Bang-plee, Samutprakan 10540
<b>Telephone</b>	+66 2 312 1415-9
<b>Fax</b>	+66 2 312 1048
<b>Emergency Telephone number</b>	+66 2 312 1415

### 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	Not classified as hazardous substance in accordance with GHS criteria.
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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### COMPONENTS IDENTIFICATION

Chemical Identity	CAS No.	% w/w
H <sub>2</sub> O	7732-18-5	> 10%
Polyurethane Dispersion (PUD)	-	> 20%
Acrylic Polymer	-	10 – 20%
Titanium Dioxide	13463-67-7	> 15%
Calcium carbonate	471-34-2	> 5%
Pigments	Proprietary	> 1%
Additives	Proprietary	0.1 - 10%

**Note:** All rights reserved to inform the precise quantity of constituents in the product. By reason is confidential of the company which could not reveal or propagate to the public.

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	Remove to fresh air, if rapid recovery does not occur, transport to nearest medical facility for additional treatment.
<b>Skin contact</b>	Remove contaminated clothing. In a shower, wash affected area with soap and water at least 15 minutes. Seek medical attention if irritant occurs or persists. Wash clothing before reuse.
<b>Eye contact</b>	Remove contact lenses, if present. Immediately flush eyes with plenty of clean running water at least 15 minutes while holding eyelids open. If eye irritation, burning sensation, redness, swelling and/ or blurred vision. Transport to the nearest medical facility for additional treatment.
<b>Ingestion</b>	If swallowed, do not induce vomiting, transport to the nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the shortness medical facility: fever greater than 101 °F (38.3 °C), shortness of breath, chest congestion or continued coughing or wheezing. If vomiting occurs spontaneously keep head below hips to prevent aspiration. Give nothing by mouth. Do not induce vomiting.
<b>Most important Symptom/ Effect, Acute &amp; Delayed</b>	Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Breathing of high concentration vapors may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea, lightheadedness, headache, nausea and loss of coordination. Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/ or difficulty breathing.

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### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.
<b>Unsuitable extinguishing</b>	No data.
<b>Specific hazard arising from chemicals</b>	Typically, this product is non-flammable but when incomplete combustion occurs or the evaporation of water in open flames, Carbon monoxide may be evolved.
<b>Protective equipment &amp; precautions for fire fighters</b>	Wear full protective clothing and self-contained breathing apparatus.
<b>Additional advice</b>	Keep adjacent containers cool by spraying with water.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, Protective equipment and Emergency procedures</b>	Isolate hazard area and deny entry to unnecessary or unprotected personnel. Step up wind and keep out of low areas. Avoid contact with spilled or released material. Monitor area with combustible indicator. Wear full protective clothing and self-contained breathing apparatus.
<b>Environmental precautions</b>	Use appropriate containment (of product and firefighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays.
<b>Method and material for containment and clean up</b>	Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residue to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

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### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin, eye and clothing. Only use in a well-ventilated area.  
Wash thoroughly after handling. Do not empty into drain.  
Handling temperature: Ambient.

#### Conditions for safe storage/ Including any incompatibility

The container should be labelled and keep tightly closed. Keep in a well-ventilated place. Avoid direct to sunlight. Keep out of reach of children.  
Storage temperature: Ambient

### 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

#### Threshold limit for exposure control ---- Occupation exposure limits

== Not specified ==

#### Appropriate engineering control

Select controls based on a risk assessment of local circumstances.  
Appropriate measures include: Use sealed systems as far as possible.  
Adequate ventilation to control airborne concentrations below the exposure guidelines/limits are recommended. Eye washes and showers for emergency use. Always keeps the container tightly closed when not in use.

#### Individual protection measures

##### Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation.

##### Hand protection

Using gloves constructed of chemical resistant materials such as heavy nitrile rubber if frequent or prolonged contact is expected.  
Neoprene or PVC gloves also be using in case of incidental contact or splash protection.  
Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

##### Eye protection

Chemical splash goggles (chemical monogoggles). Eye washes and showers for emergency use are recommended to the work area.

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Protective clothing

Protective gloves, safety shoes and boots are recommended.

Remarks

Personal protective equipment is not considered to long term solution of exposure control. Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colour viscous liquid in accordance with product catalogue.
<b>Odor</b>	Mild odour.
<b>Initial Boiling Point</b>	100 °C (212 °F) / Water
<b>Melting Point</b>	0 °C (32 °F) / Water
<b>pH</b>	8.5 – 9.5
<b>Viscosity</b>	120 – 130 KU at 25 °C
<b>Specific gravity (water = 1)</b>	1.25 – 1.35 at 25 °C
<b>Water solubility</b>	Miscible.

### 10. STABILITY AND RELIABILITY

<b>Chemical stability</b>	Stable under normal conditions of use.
<b>Possibility of hazardous reaction</b>	No data
<b>Condition to avoid</b>	Avoid using under high temperature condition. Avoid direct to sunlight.
<b>Incompatible materials</b>	Strong oxidizing agent
<b>Hazardous decomposition products</b>	Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds may be evolved when this material undergoes combustion or thermal or oxidative degradation.

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**11. TOXICOLOGICAL INFORMATION**

<b>Basis of assessment</b>	Information given is based on product data, mixtures of product and/ or the similar product and/ or ingredients.
<b>Acute oral toxicity</b>	Expected to be low of toxicity.
<b>Acute dermal toxicity</b>	Expected to be low of toxicity.
<b>Acute inhalation toxicity</b>	Expected to be low of toxicity if inhaled.
<b>Skin corrosion/ irritation</b>	Slightly irritation to skin. Prolonged or repeated exposure may cause skin dryness or dermatitis.
<b>Serious eye damage/ irritation</b>	No data
<b>Respiratory tract irritation</b>	Not expected to be irritation to respiratory tract.
<b>Respiratory or skin sensitization</b>	No data.
<b>Aspiration hazard</b>	No data.
<b>Germ cell mutagenicity</b>	Not mutagenic.
<b>Carcinogenicity</b>	Not a carcinogen.
<b>Reproductive and Developmental Toxicity</b>	Does not impair fertility.
<b>Specific Target Organ Toxicity (Single)</b>	No data.
<b>Specific Target Organ Toxicity (Repeated)</b>	No data.

**12. ECOLOGICAL INFORMATION**

<b>Basis for Assessment</b>	The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.
<b>Acute Toxicity</b>	No data.
<b>Mobility</b>	Adsorbs to soil and has low mobility. May contaminate ground water.
<b>Persistence/degradability</b>	Readily biodegradable.
<b>Bioaccumulative potential</b>	Does not bio-accumulate significantly.

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### 13. DISPOSAL CONSIDERATION

#### Material disposal

Recover or recycle if possible. It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.

#### Container disposal

Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recover or metal reclaimer.

#### Local Legislation

Disposal should be in accordance with applicable regional, national, and local laws and regulations. Send a disposal container to drum recover or metal reclaimer.

### 14. TRANSPORT INFORMATION

ADR /RID	: Classified as NON-DANGEROUS GOODS by the criteria of UNRTDG
IMDG	: Classified as NON-DANGEROUS GOODS by the criteria of IMDG
IATA	: Classified as NON-DANGEROUS GOODS by the criteria of IATA

### 15. REGULATORY INFORMATION

- Notification of the Ministry of Industry subject to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) B.E. 2555 (2012)

### 16. OTHER INFORMATION

#### Remark 1 (Abbreviation)

STOT - Specific Target Organs Toxicity  
CAS No. – the Chemical Abstracts Service Number  
ACGIH – American Conference of Governmental Industrial Hygienists  
TLV – Threshold Limit Values  
TWA – Time-Weighted Average

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STEL – Short-Term Exposure Limit

LC50 – Lethal Concentration fifty

EC50 – half maximal Effective Concentration

IC50 – half maximal Inhibitory Concentration

NOEC – No Observed Effect Concentration

NOEL – No Observed Effect Level

ADR/ RID – The Agreements Concerning the international Carriage of Dangerous Goods by Rail (RID) and by Road (ADR)

IMDG – International Maritime Dangerous Goods

IATA – International Air Transport Association

**Disclaimer**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be constructed as guaranteeing any specific property of the product.

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