Safety Data Sheet

ATM Acrylic Alkali Resisting Primer No. A1000

Version: 1.0

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

Material name	:	ATM Acrylic Alkali Resisting Primer No. A1000
Recommended use	:	An essential item for new masonry surface to prevent the premature coating failures on top coat e.g. fading, efflorescence, chalking, peeling, etc.
Supplier	:	U.R. Chemical Company Limited. 81 Moo 11 Soi Thanasit 4, Bang Pla, Bang Phli District, Samut Prakan 10540, Thailand
Telephone	:	(+662) 312 1415-9
Fax	:	(+662) 312 1048
Emergency Telephone number	:	(+662) 312 1415

2. HAZARD IDENTIFICATION

GHS Classification :

-	Skin Irritation	Category 2
-	Eye Irritation	Category 2A
-	Skin Sensitization	Category 1
-	Carcinogenicity	Category 2
-	Acute Aquatic	Category 3

GHS Label Elements :

Symbol (s)

Signal words : Warning

GHS Hazard Statement

Physical Hazard : Not identified

Health Hazard :

-	H315	Cause skin irritation
-	H319	Cause serious eye irritation
-	H317	May cause an allergic skin reaction
-	H351	Suspected of causing cancer

Environmental Hazard :

-	H402	Harmful to aquatic life

GHS Precautionary

Prevention	:	-	P203	Obtian, read and follow all safety instructions before use.
		-	P261	Avoid breating dust/fume/gas/mist/vapours/spray.
		-	P264	Wash thoroughly after handing.
		-	P272	Contaminated work clothing should not be allowed out of the workplace.
		-	P280	Wear protective gloves / protective clothing / eye protection / face protection / hearing protection.
		-	P273	Avoid release to enviroment.
Response	:	-	P302+P352	IF ON SKIN: Wash with plenty of water.
		-	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses, if present and easy to do. Continue rinsing.
		-	P332+P337+P317	If skin or eye irritation persists: Get medical help.
		-	P362+ P364	Take off contaminated clothing and wash it before reuse.
		-	P318	IF exposed or concerned, get medical advice.
Storage	:	-	P405	Store locked up.
Disposal	:	-	P501	Dispose of contents / container to accordance with local / regional /international regulation (to be specified).

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous components

Components	CAS No.	% w/w	Hazard Class	
Biocide 1	Proprietary	0.1-0.5%	- Acute tox. Inhale	Category 4
			- Skin corrosion	Category 1B
			- Serious eye damage	Category 1
			- Skin sensitization	Category 1
			- Short-term (acute) aquatic	Category 2
			- Long-term (chronic) aquatic,	Category 1
Biocide 2	Proprietary	0.1-0.5%	- Skin sensitization,	Category 1
			- Carcinogenicity	Category 2
			- Long-term (chronic) aquatic	Category 3
Calcium Carbonate	471-34-1	25- 30%	- Skin Irritation	Category 2
			- Eye Irritation	Category 2A
			- STOT. SE	Category 3

Components	CAS No.	% w/w	Hazard Class	
2-Amino-2-methyl-1-propanol	124-68-5	0.1-0.5%	- Skin Irritation - Eye Irritation - Long-term (chronic) aquatic	Category 2 Category 2 Category 3
Titanium Dioxide	1317-80-2	1-5%	Not Classified	
Water	7732-18-5	30-40%	Not Classified	
Binder	Proprietary	20-25%	Not Classified	
Additives	Proprietary	1-5%	Not Classified	
Others	Proprietary	10-20%	Not Classified	

4. FIRST-AID MEASURES

Inhalation : Remove to fresh air, if rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin contact : 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.

Eye contact : 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.

Ingestion : 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.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media : Foam, water spray or fog. Dry chemical powder, carbon dioxide

Unsuitable extinguishing : Not available

Specific hazard arising from chemicals : Typically, this product is non-flammable but when incomplete combustion occurs or the evaporation of water in open flames, Carbon monoxide may be evolved.

Protective equipment & precautions for fire fighters : Wear protective clothing and self-contained breathing apparatus.

Additional advice : Keep adjacent containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment and Emergency procedures : Avoid contact with eyes, skin and clothing by using the suitable protective equipment as required.

Environmental precautions : 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.

Authorities should be notified if reportable quantity release occurs.

Method and material for containment and clean up : For small liquid spills (< 1 drum): transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal.

For large liquid spills (> 1 drum): Perform with same method for small liquid spills. Retain as contaminated waste. Recover or recycle if possible.

7. HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin or eyes and clothing

Keep container closed when not in use.

Conditions for safe storage/ Including any incompatibility : The container should be labelled and keep tightly closed. Keep in a well-ventilated place.

Avoid store near incompatible materials such as oxidizing agent. Keep cool.

Storage temperature: Ambient

Recommended materials
Unsuitable materials
Container advice : No special requirement for material container.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Threshold limit for exposure control

Occupation exposure limits

Components	ACGIH TLV		Remarks
	TWA	STEL	
Ethylene Glycol	29 mg/m^3	-	
Distillates (petroleum) hydrotreated	5 mg/m^3	-	

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.

Individual protection measures

Respiratory protection : Working under a well-ventilated area, use the respiratory equipment during operation.

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 incidential 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.

Protective clothing : Protective gloves, safety shoes and boots are recommended.

Remark: Personal protective equipment is not considered to long term solution of exposure control.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid emulsion
Odor	:	Mild odor
pH	:	8-10
Initial Boiling Point	:	Not available
Melting Point	:	Not available
Flash point	:	Not combustible
Viscosity	:	95-100 KU at 25 °C
Specific Gravity (water = 1)	:	1.100 – 1.400 at 25 °C
Water solubility	:	Excellent solubility

10. STABILITY AND RELIABILITY

Chemical stability	:	Stable under normal conditions of use.
Possibility of hazardous reaction	:	Not available
Condition to avoid	:	Avoid using under high temperature condition. Avoid direct to sunlight.
Incompatible materials	:	Strong oxidizing, strong acid and strong base.
Hazardous decomposition products	:	Carbon monoxide, Carbon dioxide and Nitrogen oxide.

11. TOXICOLOGICAL INFORMATION

Basis of assessment : Information given is based on product data, mixtures of product and/ or the similar product and/ or ingredients.

Acute oral toxicity : The classification criteria are not met based on raw material data.

Acute dermal toxicity : The classification criteria are not met, based on raw material data.

Acute inhalation toxicity : Not available based on raw material data.

Skin corrosion/ irritation : Cause skin irritation

Sensitization : May cause an allergic skin reaction

Serious eye damage/ irritation : Cause serious eye irritation

Respiratory tract irritation : Not available based on raw material data.

Aspiration hazard : Not available based on raw material data.

Germ cell mutagenicity : Not available based on raw material data.

Carcinogenicity : Suspected of causing cancer

Reproductive toxicity : Not available based on raw material data.

Specific target organ toxicity-Single exposure : The classification criteria are not met based on raw material data.

Specific target organ toxicity-Repeated exposure : Not available based on raw material data.

12. ECOLOGICAL INFORMATION

Basis for Assessment : The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.

Acute Toxicity : Harmful to aquatic life

Components	Species	Value
1,2-benzisothiazol-3(2H)-one	Toxicity to fish	LC_{50} (Oncorhynchus mykiss): 2.18 ppm Exposure time 96 hr.
	Toxicity to daphnia	EC_{50}(Daphnia magna): 2.94 ppm Exposure time 48 hr.
	Toxicity to algae	ErC_{50}(Green algae): 0.11 Exposure time 72 hr.
2-methyl-2H-isothiazol-3-one (MIT)	Toxicity to fish	LC_{50} (Oncorhynchus mykiss): 4.77 ppm Exposure time 96 hr.
	Toxicity to daphnia	EC_{50}(daphnia magna): 0.93-1.9 ppm Exposure time 48 hr.
	Toxicity to alga	ErC_{50}(Green algae): 0.158 Exposure time 72 hr.

N-(3-aminopropyl) -N-dodecylpropane-1,3-diamine (Diamine)	Toxicity to fish	LC_{50} (Lipomas macro chirus): 0.45 ppm Exposure time 96 hr.
	Toxicity to daphnia	EC_{50}(daphnia magna): 0.073 ppm Exposure time 48 hr.
	Toxicity to alga	ErC_{50}(Green algae): 0.012 Exposure time 72 hr.

Mobility : This product is completely miscible and can spread around in water.

Persistence/degradability : Not available

Bioaccumulative potential : Does not bioaccumulate significantly.

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 : 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. 2019

16. OTHER INFORMATION

SDS version	:	1.0
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Reference	:	-
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. 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.