1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	: TOA 201 ROOFSEAL
Product Use	: Water-based polymer emulsion.
Company Name	: TOA PAINT (THAILAND) PUBLIC COMPANY LIMITED
Address	: 31/2 Moo 3, Bangna-Trad Road, Bang Sao Thong Sub-District, Bang Sao Thong District, Samut Prakarn Province 10570, Thailand
Telephone No.	: +662 335 5555
Fax No.	: +662 312 8927
Emergency Call	: +662 335 5999

2. HAZARDS IDENTIFICATION

[GHS Classification]		Hazard Category
Physical Hazard	: -	-
Health Hazard	: Acute toxicity (Oral / LD50)	Category 5
	: Acute toxicity (Dermal / LD50)	Not Classified
	: Acute toxicity (Inhalation : vapours)	Category 4
	: Skin corrosion / Irritation	Category 3
	: Serious eyes damage / Eyes irritation	Category 2A
	: Respiratory and skin sensitization	Category 1A
	: Germ cell mutagenicity	Not Classifiled
	: Carcinogenicity	Not Classified
	: Reproductive toxicity	Not Classified
	:Specific target organ systemic toxicity-Single exposure (Respiratory)	Not Classified
	: Specific target organ systemic toxicity-Repeated exposure (central nervous system)	Not Classified
	: Aspiration Hazard (Airways)	Not Classified
	: Acute aquatic toxicity	Category 2
	: Chronic aquatic toxicity	Not Classified
	: Hazard to the ozone layer	No data avaliable

Pictograms

Signal word Warning

Hazard statements

1. May be harmful if swallowed.
2. Harmful if inhaled.
3. Causes mild skin irritation.
4. Causes serious eye irritation.
5. May cause an allergic skin reaction.
6. Toxic to aquatic life.

Precautionary Statements

1. Read label before use. DO NOT handle until all safety precautions have been read and understood.
2. Wear protective gloves / eye protection / face protection.Wear respiratory protection.
3. Use product only on objects. DO NOT use with human and animal.
4. DO NOT eat this product. Keep this product away from food, drink and animal feeding stuffs. IF SWALLOWED: DO NOT induce vomiting and seek medical advice immediately.
5. DO NOT eat, drink or smoke when using this product.
6. DO NOT breathing vapors or spray mist. IF INHALATION: Remove to adequate ventilation place and support breathing as needed.In case of faint, must recuperate the patient and seek medical advice immediately.
7. Avoid direct contact. Wash the exposed thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water.
8. IF IN EYES: Flush with plenty of water for at least 15-20 minutes and seek medical advice immedi ately.
9. If you feel unwell. : Call a POISON CENTER or doctor/physician.
10. Use and store this product in dry and a well-ventilated place.
11. Keep this product in provided container only.
12. Keep container tightly closed. Keep out of reach of children.
13. Move product with careful, always carry with the top cover stand upright.
14. In case of leakage, use nonflammable absorbent such as dried sand or soil and clean surface with powdered detergent.DO NOT use thinner or solvent.
15. Avoid release paint or used container to water drain or natural water resource.
16. Used container dispose as chemical contaminate waste according to local regulation or standard regulation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

No.	Component / Chemical Name	CAS Number	EC Number	%
1	Polymer	-	-	55 - 60
2	Filler and Others	-	-	35 - 38
3	Water	7732-18-5	231-791-2	5 - 10

4. FIRST AID MEASURES

After Eye Contact : Rinse eyes thoroughly with water for at least 15 minutes. Consult physician.

After Skin Contact : Wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist consult physician.

After Ingestion : Do not induce vomiting. Dilute with water. Contact physician.

After Inhalation : Remove to fresh air. If breathing has stopped, institute artificial respiration. Consult with physician.

5. FIRE - FIGHTING MEASURES

Extinguishing media : In case of fire, use water spray (fog) foam, dry chemical, or CO_2.

Fire fighting instructions : Firefighters should wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear suitable protective equipment.

Environmental precautionsl : Prevent product entering soil, natural waters and drains.

Methods for cleaning and taking up : Contain spill, collect with absorbent material and transfer into suitable containers. Avoid contact. Keep spills out of sewers and open bodies of water.

7. HANDLING AND STORAGE

Handling and Storage Precautions	: Store in a cool dry area. Protect from sun. Keep containers tightly closed. Allow to warm to room temperature and mix well before using.
Work / Hygienic Practices	: Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls	: Use with adequate general and local exhaust ventilation.
Eye/Face Protection	: Safety glasses with side shields or goggles.
Skin Protection	: Avoid skin contact. Wear long sleeve shirt, long pants, chemical resistant gloves.
Respiratory protection	: General room ventilation is normally adequate.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	: Colorful viscous liquid
Odor	: Characteristic
Melting Point	: No data avaliable
Boiling Point	: No data avaliable
Density at 25°C	: 1.270 – 1.320 g/cm^3
Vapour Pressure	: No data avaliable
pH Value at 25°C	: 8.50 - 10.00
viscosity at 25°C	: 112.0 – 118.0 KU
Vapor Density	: > Air
Solubility	: Dilutable

10. STABILITY AND REACTIVITY

Chemical Stability	: Stable
Conditions to Avoid	: Heat, flames, incompatible materials, and freezing or temperatures below 0 °C.
Incompatible Materials	: No data avaliable
Hazardous Decomposition Products	: Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

Cassification according the GHS

Acute Toxicity estimates

Oral : Rat (LD50) (mg/kg) or ATE	: 2,891 mg/kg
Dermal : Rabbit (LD50) (mg/kg) or ATE	: >5,000 mg/kg
Inhalation : Rat (LC50) (mg/L) or ATE	: 19.39 mg/L
Ingestion	: May be harmful if swallowed. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Skin contact	: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
Inhalation	: Harmful if inhaled. May include cough, sneezing, nasal discharge, headache, hoarseness and throat pain.
Skin corrosion/irritation	: Cause mild skin irritation.
Serious eye damage/eye irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not Classifiled
Carcinogenicity	: Not Classified
Reproductive toxicity	: Not Classified
Specific target organ toxicity - single exposure	: Not Classified
Specific target organ toxicity - repeated exposure	: Not Classified

12. ECOLOGICAL INFORMATION

Hazardous to acute the aquatic environment	: Toxic to aquatic life. Product is slightly water polluting. Do not allow to enter waste water drain, waterways or soil.
Hazardous to the ozone layer	: No data avaliable

13. DISPOSAL CONSIDERATIONS

Method of disposal	: Dispose in accordance with applicable federal, state and local government regulations.

14. TRANSPORT INFORMATION

ADR / RID	: Non dangerous goods.
AND / ADNR	: Non dangerous goods.
IMO / IMDG	: Non dangerous goods.
IATA / ICAO	: Non dangerous goods.

15. REGULATORY INFORMATION

Thai regulation : HAZARDOUS SUBSTANCE ACT, B.E. 2535 (1992)

: Notification of Ministry of Industry Subject : Hazard Classification and 2555 (2012) Communication System of Hazardous Substances B.E.

16. OTHER INFORMATION

: The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions.

It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation.

The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.