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# SAFETY DATA SHEET ( SDS )

**Product Name** : TOA NANOSHIELD SHEEN (White & Color) **Revise No.** : 0  
**Date** 01/11/2016 **Replaces** -

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : TOA NANOSHIELD SHEEN (White & Color)  
Product Use : Premium Acrylic Emulsion Paint For Exterior (Waterbase)  
Company Name : TOA PAINT (THAILAND) CO., LTD.  
Address : 31/2 Moo 3, Bangna-Trad Rd., KM.23  
: Amphur Bangsaothong, Samuthprakarn 10540, Thailand  
Telephone No. : +662 335 5555  
Fax No. : +662 312 8927  
Emergency Call : +662 335 5999

## 2. HAZARDS IDENTIFICATION

### [ GHS Classification ]

<b>Health Hazard</b>	:	Skin corrosion / Irritation	<u>Hazard Category</u>
	:	Serious eyes damage / Eyes irritation	<i>Category 3</i>
	:	Acute aquatic toxicity	<i>Category 2A</i>
	:		<i>Category 3</i>

### Pictograms



**Signal word** : **WARNING**

### Hazard statements

1. Causes mild skin irritation
2. Causes serious eye irritation
3. Harmful 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.  
DO NOT use solvent or thinner and seek medical advice immediately.
8. IF IN EYES: Flush with plenty of water for at least 15-20 minutes and seek medical advice immediately.
9. If you feel unwell: Call a POISON CENTER or doctor/physician.



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- 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	Acrylic polymer	-	-	36-41%
2	Titanium Dioxide	13463-67-7	236-675-5	0-18%
3	Calcium Carbonate	1317-65-3	207-439-9	6-14%
4	Calcined Kaolin	92704-41-1	296-473-8	0-4%
5	Barium sulfate	7727-43-7	231-784-4	3-14%
6	Monopropylene Glycol	57-55-6	200-338-0	1-1.5%
7	2,2,4-trimethyl-1,3-pentanediol mono(2-methylpropanoate)	25265-77-4	246-771-9	2.5-3%
8	Terbutryn	886-50-0	212-950-5	0.13-0.25%
9	3-iodo-2-propynyl butyl carbamate	55406-53-6	259-627-5	0.13-0.25%

### 4. FIRST AID MEASURES

- General** : In all cases of doubt or when symptoms persist, get medical attention immediately.  
DO NOT give anything by mouth to an unconscious person.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.  
Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Eye Contact** : Check for and remove any contact lenses. Immediately flush eyes with running water at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label.  
Keep person warm and at rest. Do not induce vomiting.

### 5. FIRE - FIGHTING MEASURES



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Extinguishing Media : Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray.  
Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire control methods to sewers or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precaution: : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist.  
Refer to protective measures listed in sections 7 and 8.  
Spill : Contain and collect spillage with non-combustible absorbent materials e.g. diatomaceous earth, sand, vermiculite and place in container for disposal according to local regulations (see section 13)  
Do not allow to enter drains or watercourses. Clean preferably with a detergent;  
avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

Handling : Keep container tightly closed. Keep away from heat, sparks and flame.  
No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation.  
Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed.  
Workers should wash hands and face before eating, drinking and smoking.  
Put on appropriate personal protective equipment (see Section 8).  
Never use pressure to empty the container because the container can not resist the pressure.  
Always keep this products in containers that made with same material as the original one.  
Comply with the health and safety at work laws.  
In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapor concentration has fallen below the exposure limits.  
Storage : Store in accordance with local regulations. Observe label precautions.  
Store in a cool, well-ventilated area where away from incompatible materials, ignition sources.  
Keep away from oxidizing agents, strong alkali, strong acids.  
Ideal storage temperature range is 25 – 30 °C. DO NOT freeze this products.  
No smoking and prevent unauthorized access.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
DO NOT allow to enter drains or watercourses.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION



www.toagroup.com

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**Engineering contr** : Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

## Personal protective equipment

**Respiratory system** : Use respiratory mask with charcoal and dust filter when spraying this product (as filter combination A2-P2). In confined spaces use compressed air or fresh air respiratory equipment.  
When use of roller or brush, consider use of charcoal filter (A2).

**Skin and body** : Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with skin and body

**Hands** : Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

**Eyes** : Use safety eyewear designed to protect against splash of liquids.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	: Liquid	pH	: 8.5-10.0
Color	: Refer to Product's catalog	Specific Gravity	: 1.27-1.37 g/cm <sup>3</sup>
Flash Point	: No flash point	Water Solubility	: soluble

## 10. STABILITY AND REACTIVITY

**Stability** : Stable under recommended storage and handling conditions (see section 7).

**Hazardous Decomposition Prodi** : Carbon monoxide, carbon dioxide, smoke, and other toxic gases

**Incompatible materials** : Oxidising agents, strong alkalis, strong acids.

## 11. TOXICOLOGICAL INFORMATION

**General** : No information on the toxicological properties of the components in the product and in the product informati  
Toxicological found:  
Applications may cause irritation to the skin and eyes  
Avoid inhalation of vapors and aerosols during operation.

**Skin Contac** : 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.

**Eye Contact** : The liquid splashed in the eyes may cause irritation and reversible damage.

**Ingestion** : Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

## 12. ECOLOGICAL INFORMATION

**Hazardous to the aquatic enviro** : Harmful to aquatic life  
**Hazardous to the ozone layer** : Not classified



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## 13. DISPOSAL CONSIDERATIONS

### Method of disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

### Material and/or container must be disposed of as hazardous waste European waste catalogue (EWC)

- 08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances
- 08 01 17 Wastes from paint or varnish removal containing organic solvents or other dangerous substances

## 14. TRANSPORT INFORMATION

### Transport in accordance with ADR/RID, IMDG/IMO and ICAO/IATA and national regulation.

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road(ADR) and by Rail(RID) , of International Maritime Dangerous Goods Code(IMDG),and of the International Air Transport Association(IATA) regulations.

## 15. REGULATORY INFORMATION

- Thai regulation : HAZARDOUS SUBSTANCE ACT, B.E. 2535 (1992)
- : Notification of Ministry of IndustrySubject: Hazard Classification and2555 (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.