



MATERIAL SAFETY DATA SHEET

Revised 2

Date 04/2017

TOA BIKE LANE BLUE #5015

1. Identification of the substance or mixture and of the supplier

Product name and/or code : TOA BIKE LANE BLUE #5015
Product use : Acrylic Emulsion Paint for Bike lane and Sport floor
Supplier/Manufacturer : TOA PAINT (THAILAND) PUBLIC COMPANY LIMITED
31/2 Moo 3, Bangna-Trad Road , Bangsaothong,
Bangsaothong, Samutprakan 10570 ,Thailand
Tel. +66 2335 5555
Fax. +66 2312 8927
Emergency telephone number : +66 2335 5999

2. Hazards identification

Harmful if swallowed.
Irritating to eyes, respiratory system and skin.



3. Composition/information on ingredients

Chemical name	CAS Number	EC Number	%	Classification
Titanium Dioxide	13463-67-7	236-675-5	20.6	—
Pigment	-	-	5.0	—
Barium Sulphate	7727-43-7	231-784-4	5.2	—
Aluminium Silicate	1332-58-7	310-194-1	4.1	—
Acrylic Emulsion Polymer	25852-37-3	—	47.4	—
Propylene Glycol	57-55-6	200-338-0	1.5	—
Texanol	25265-77-4	246-771-9	3.5	R22, R36/37/38
Water	7732-18-5	—	17.7	—

4. First aid measures.

General : In all cases of doubt, or when symptoms persist, get medical attention.
DO NOT give anything by mouth to an unconscious person.

Inhalation : Move to an area free from further exposure. Get medical attention immediately.
Administer oxygen or artificial respiration as needed.
If a cough or other respiratory symptoms develop, get medical attention.

Ingestion : DO NOT give anything by mouth to an unconscious person.
DO NOT induce vomiting. Wash mouth out with water.

Give one or two glasses of water to drink and get medical attention.

Skin contact	: Wash affected areas with soap and water. For severe exposures, immediately get under safety shower and begin rinsing. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.
Eye Contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Then remove contact lenses, if easily removable and continue eye irrigation for not less than 15 minutes. Get medical attention.

5. Fire-fighting measures

Extinguishing Media	: Dry chemical, Carbon dioxide (CO ₂) and Foam. Use water spray for large fires. DO NOT use water jet.
Recommendations	: The material will not support combustion. Combustion products are Carbon oxides and Nitrogen oxides. Wear self-contained breathing apparatus with full facepiece and protective clothing.

6. Accidental release measures

Personal Precautions	: Wear skin, eye, and respiratory protection during cleanup. Refer to protective measures listed in sections 7 and 8.
Spill	: Contain and collect spillage with non-combustible absorbent materials such as sand, Vermiculite, Diatomaceous Earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent and avoid use of solvents. DO NOT allow to enter drains or watercourses 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. 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.
Storage	: Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area where away from incompatible materials and 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/personal protection

<u>Engineering measures</u>	: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.
<u>Personal protective equipment</u>	
Respiratory system	: If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. 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).
Eyes	: Wear chemical tight goggles. Have eyewash station and safety shower in work area.
Skin and body	: Additional precautions such as disposable full body suit may be required depending on use conditions. Before rewearing, wash the contaminated suit separately from other laundry.
Hands	: For prolonged or repeated handling, use gloves: neoprene or nitrile gloves. Use barrier cream together with the gloves to protect the exposed areas of the skin. However, prohibit to use the barrier cream after exposure has occurred. For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

9. Physical and chemical properties

Physical state	: Liquid
Odour	: Low odour
pH	: 8.5-10.0
Colour	: Blue
Flash point	: - °C
Density	: 1.24 – 1.34 g/cm ³
Solubility in water	: Soluble

10. Stability and reactivity

Chemical Stability : Stable under normal temperatures and pressures.
Conditions to Avoid : Heat, flame, incompatible materials, and freezing or temperatures below 0 °C.
Incompatible Materials : Oxidizing agents, Strong acids and alkalis.
Hazardous Decomposition Products : Incomplete combustion may produce carbon monoxide and other toxic gases.

11. Toxicological information

Ingredient name	Inhalation	Dermal	Oral
Titanium Dioxide	Data not available	Data not available	LD50 (Rat) 10000 mg/kg
Propylene Glycol	Data not available	Data not available	LD50 (Rat) 20000 mg/kg
Texanol	LCLo (Rat, 6 h) 2.73 mg/L	LD50 (Rabbit) 15200 mg/kg	LD50 (Rat) 6500 mg/kg

12. Ecological informationEcotoxicity data

Ingredient name	Species	Period	Result
Titanium Dioxide	Fish (LC50)	96 hour(s)	1000 mg/L
Propylene Glycol	Fish (LC50)	96 hour(s)	52.9 g/L
Texanol	Fish (LC50)	96 hour(s)	33 mg/L

13. Disposal considerationsWaste 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 split material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

Transport in accordance with : ADR- Road Transport
: RID- Rail Transport
: IMDG/IMO- Maritime Transport
: IATA/ICAO- Air Transport
: National regulation

Proper shipping name	No regulated	Packing group	No Data	Label	-
UN. Number	No regulated	Class	No Data		

15. Regulatory information

EU Regulations : The product is labeled as follows, in accordance with local regulations.

Hazard symbol(s)



Harmful

Contains : Texanol, Titanium Dioxide, Barium Sulphate, Aluminium Silicate, Propylene Glycol

Indication of Danger : Harmful.

Risk Phrases R22- Harmful if swallowed.

R36/37/38- Irritating to eyes, respiratory system and skin.

Safety Phrases S1/2- Keep locked up and out of reach of children.

S25- Avoid contact with eyes.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

S53- Avoid exposure - obtain special instructions before use.

16. Other information

The information in this MSDS 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 full fill the demands set out in the local rules and legislation.

The information in this MSDS is meant to be a description of the safety requirements for our product.

The information in this MSDS is not to be considered a guarantee of the product's properties.