



# MATERIAL SAFETY DATA SHEET

## TOA 4SEASONS PRIMER

Acrylic Alkali Resisting Primer for Exterior and Interior.

### 1. Identification of the substance/preparation and of the company/undertaking

Product name and/or code : TOA 4SEASONS PRIMER #H0000  
Type of Product : Acrylic Alkali Resisting Primer for Exterior and Interior  
Supplier/Manufacturer : TOA PAINT (THAILAND) CO.,LTD.  
31/2 Moo 3, Bangna-Trad Rd., KM.23, Bangsaothong,  
Amphur Bangsaothong, Samuthprakarn, 10540 Thailand.  
Tel : 0-2335-5555  
Fax : 0-2312-8903

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name      | CAS no.       | % Weight |
|--------------------|---------------|----------|
| Titanium Dioxide   | 13463-67-7    | 3-4      |
| Aluminium Silicate | 1332-58-7     | 8-9      |
| Calcium Carbonate  | 471-34-1      | 25-26    |
| Acrylic polymer    | Not Hazardous | 19-20    |
| Propylene Glycol   | 57-55-6       | 1-2      |
| Water              | 7732-18-5     | 39-42    |

### 3. HAZARDS IDENTIFICATION

Emergency Overview : Irritant.

#### Applies to all Ingredients

#### Potential Health Effects

Eye Contact : May cause irritation.  
Skin Contact : May cause irritation.  
Inhalation : Prolonged or excessive inhalation may cause respiratory tract irritation.  
Ingestion : May be harmful if swallowed. May cause vomiting.

#### **4. FIRST AID MEASURES**

|              |   |
|--------------|---|
| Eye Contact  | Immediately flush eyes with plenty of water for 15-20 minutes.<br>Get medical attention   |
| Skin Contact | Wash affected area thoroughly with soap and water   |
| Inhalation   | If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. |
| Ingestion    | If swallowed, do not induce vomiting. Get medical attention immediately.  |

#### **5. FIRE FIGHTING MEASURES**

|                      |  |
|----------------------|--|
| Flash Point          | No Data  |
| Extinguishing Media  | Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.                     |
| Protective Equipment | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

#### **6. ACCIDENTAL RELEASE MEASURES**

|                           |  |
|---------------------------|--|
| Personal Precautions      | Use proper personal protective equipment as listed in section 8.   |
| Spill Cleanup Measures    | Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation.<br>Clean up spills immediately observing precautions in the protective equipment section. |
| Environmental Precautions | Avoid runoff into storm sewers, ditches, and waterways.  |

#### **7. HANDLING AND STORAGE**

|                   |   |
|-------------------|---|
| Handling          | Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.  |
| Storage           | Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances.<br>Keep container tightly closed when not in use. |
| Hygiene Practices | Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.   |

#### **8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

|                      |   |
|----------------------|---|
| Engineering Controls | Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended |
|----------------------|---|

|                             |  |
|-----------------------------|--|
|                             | exposure limits. Good general ventilation should be sufficient to control airborne levels  |
| Skin Protection Description | Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.  |
| Hand Protection Description | Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.   |
| Eye/Face Protection         | Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.   |
| Respiratory Protection      | A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is |
| Other Protective            | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.   |

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

|                           |                          |
|---------------------------|--------------------------|
| Physical State/Appearance | Liquid                   |
| Color                     | White                    |
| pH                        | 8.5 - 10.0               |
| Vapor Density             | Greater than 1 (Air = 1) |
| Density                   | 1.24 - 1.36 kg/l.        |
| Molecular Formula         | Mixture                  |
| Molecular Weight          | Mixture                  |
| Flash Point               | No Data                  |

## **10. STABILITY AND REACTIVITY**

|  |  |
|--|--|
| Chemical Stability                     | Stable under normal temperatures and pressures.                                    |
| Conditions to Avoid                    | Heat, flames, incompatible materials, and freezing or temperatures below 0 deg. C. |
| Incompatibilities with Other Materials | Oxidizing agents. Strong acids and alkalis.  |
| Hazardous Polymerization               | Not reported.  |
| Hazardous Decomposition Products       | Incomplete combustion may produce carbon monoxide and other toxic gases.           |

## 11. TOXICOLOGICAL INFORMATION

General There is no data available on the product.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity No data available

Environmental Fate No data available

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Dispose of in accordance with all applicable regulations ensuring no contamination of surrounding environment.

## 14. TRANSPORT INFORMATION

DOT UN Number No Data

DOT Hazard Class No Data

## 15. REGULATORY INFORMATION

General Note As of the date of this MSDS, these products were not being regulated or controlled.

## 16. OTHER INFORMATION

Disclaimer :

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation.