



# SAFETY DATA SHEET

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## Section 1 : IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER

### 1.1 Product Detail

Product / Trade Name : MICI Eco Shield  
Acrylic Exterior Wall Finish

### 1.2 Recommended Use Of The Chemical And Restrictions On Use

Product Use : For decorative and protection of previously-painted or new exterior walls for a lasting aesthetic finish

### 1.3 Supplier Details

Manufacturer Name : CIZEN SDN BHD  
247-A-C, Block A, Jalan Sungai Nibong,  
11900 Bayan Lepas, Penang, Malaysia.

Telephone Number : +604-6442229


Emergency Telephone No. : +604-6442229

## Section 2 : HAZARD IDENTIFICATION

### 2.1 Classification Of the Hazardous Chemical

GHS Classification : Skin corrosion or irritation Category 2  
: Serious eye damage or eye irritation Category 2  
: Hazardous to the aquatic environment - chronic hazard Category 3

### 2.2 Label Elements

GHS Pictogram : 

Signal Word : Warning

Hazard Statements : H315+H319 Cause skin and eye irritation  
: H412 Harmful to aquatic life with long lasting effects

### Precautionary Statements

Prevention : P264 Wash Hand thoroughly after handling  
: P273 Avoid release to the environment  
: P280 Wear protective gloves/protective clothing/eye protection/face protection

Response : P302+P352 IF ON SKIN: Wash with plenty of soap and water  
: P321 Specific treatment (refer Section 4 of SDS)



: P332 + P313 If skin irritation occurs: Get medical advice/attention  
: P362 Take off contaminated clothing and wash before reuse  
: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minute. Remove contact lenses, if present and easy to do. Continue rinsing  
: P337 + P313 If eye irritation persist: Get medical advice/attention

Storage : No precautionary statement

Disposal : P501 Dispose of contents/container in accordance with all local, regional, national and international regulations.

**Section 3 : COMPOSITION AND INFORMATION OF THE INGREDIENTS OF HAZARDOUS CHEMICAL**

Ingredients	CAS Number	%
Titanium Dioxide	13463-67-7	10 to 30
Calcium Carbonate	471-34-1	10 to 30
Polymer Emulsion	-	10 to 30
Water	7732-18-5	10 to 30

**Section 4 : FIRST-AID MEASURES**

**Eye Contact** : Immediately flush eyes with large amounts of water for several minutes or until irritation subsides. Obtain medical attention if necessary.

**Skin Contact** : In case of contact, wash skin with water and soap. If irritation persists, get medical attention.

**Inhalation** : Remove to fresh air immediately. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Keep at rest. Obtain medical attention if necessary.

**Ingestion** : DO NOT induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention if necessary.

**Section 5 : FIRE-FIGHTING MEASURES**

**Extinguishing media** : Carbon dioxide, foam or powders type recommended.

**Specific Hazards Arising From The Chemical** : Combustion products may include Carbon monoxide and Carbon dioxide.

**Special Protective Actions For Fire-Fighters** : Cool closed containers exposed to fire with water. No action shall be taken involving any personal risk or without suitable training.

**Special Protective Equipment For Fire-Fighters** : Appropriate breathing apparatus may be required.



## Section 6 : ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Avoid breathing vapour or mist.

For Emergency Responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental Precautions

Precautions : Do not allow to enter drains , waterways, sewers. If product caused environmental pollution, inform appropriate authorities in accordance with local regulations.

### 6.3 Methods And Material For Containment And Cleaning Up

Containment & Clean Up : Contain and collect spillage with absorbent material and place in container for disposal according to local/national regulations.

## Section 7 : HANDLING AND STORAGE

### 7.1 Precautions For Safe Handling

Safe Handling : Put on appropriate personal protective equipment (see Section 8).  
: Do not get in eyes or on skin or clothing.  
: Handle containers with care. Open slowly in order to control possible pressure release.  
: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

### 7.2 Condition For Safe Storage, Including any Incompatibilities

Safe Storage : Store in cool, dry and well-ventilated place at temperature between 20 degree C to 40 degree C away from heat and sources of ignition.  
: Keep container tightly closed and sealed until ready for use.  
: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10), food and drink.



## Section 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control Parameters

Occupational Exposure Limits :

Ingredients	ACGIH TLV-TWA (mg/m3)	OSHA PEL-TWA (mg/m3)
Titanium Dioxide	10	15
Calcium Carbonate	-	4

### 8.2 Appropriate Engineering Controls

Controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  
: Ensure eyewash stations and safety showers are close to the workstation location.

### 8.3 Individual Protection Measures

Eye Protection : Use approved safety glasses or goggles with side shields is recommended.  
Skin / Body protection : Wear chemical resistant clothes and safety shoes when handling product.  
Respiratory protection : Wear appropriate respirators when ventilation is inadequate.  
Hand Protection : Use of chemical resistant type of protective gloves is recommended.

## Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid  
Odour : Mild Paint Odour  
Odour Threshold : Not Available  
pH : 7.5 - 10.5  
Melting Point/Freezing Point : Not Available  
Initial Boiling Point & Range : Not Available  
Flash Point : Not Available  
Evaporation Rate : Not Available  
Flammability (Solid, Gas) : Not Applicable  
Upper Flammability/Explosive Limits : Not Applicable  
Lower Flammability/Explosive Limits : Not Applicable  
Vapour Pressure : Not Available  
Vapour Density : Not Available  
Relative Density : Not Available  
Solubility : Soluble In Water  
Partition Coefficient: n-octanol/water : Not Available  
Auto-Ignition Temperature : Not Applicable  
Decomposition Temperature : Not Available  
Viscosity : 90 - 130 KU



**Section 10 : STABILITY AND REACTIVITY**

**Reactivity** : No specific test data related to reactivity available for this product.

**Chemical Stability** : The product is stable.

**Possibility Of Hazardous Reaction**: Under normal conditions of storage and use, hazardous reactions will not occur.

**Condition To Avoid** : No specific data.

**Incompatible Materials** : No specific data.

**Hazardous Decomposition Products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11 : TOXICOLOGICAL INFORMATION**

There is no data available on the product itself  
Toxicological information on the ingredients:

**11.1 Acute Toxicity**

Ingredient Name	Endpoint	Species	Result
Titanium Dioxide	LD50 Oral	Rat	>10000 mg/kg
Calcium Carbonate	LD50 Oral	Rat	>5000 mg/kg
Polymer Emulsion	LD50 Oral	Rat	>5000 mg/kg

**11.2 Skin Corrosion or Irritation**

Cause skin irritate. Prolonged contact may dry the skin leading to discomfort and dermatitis

**11.3 Serious Eye Damage or Eye Irritation**

May cause eye irritation.

**11.4 Respiratory Sensitization**

No data available

**11.5 Skin Sensitization**

No data available

**11.6 Germ Cell Mutagenicity**

No data available

**11.7 Reproductive Toxicity**

No data available

**11.8 STOT - Single Exposure & Repeat Exposure**

No data available

**11.9 Aspiration Hazard**

No data available

**Section 12 : ECOLOGICAL INFORMATION****12.1 Ecotoxicity**

No data available

**12.2 Persistence and Degradability**

No data available

**12.3 Bioaccumulative Potential**

No data available

**12.4 Mobility in Soil**

No data available

**12.5 Other Adverse Effects**

There is no ecotoxicological test data available on the product itself.

The product should not be allowed to enter drains or water courses.

**Section 13 : DISPOSAL CONSIDERATIONS****13.1 Disposal Methods**

The product should not be allowed to enter drains and watercourses.

Wastes and empty containers should be treated and disposed of in accordance with national and local regulations. To ensure compliance, consult national and local authorities.

**Section 14 : TRANSPORTATION INFORMATION**

**Transport to be in accordance with ADR/RID for road, IMDG for sea and IATA for Air.**

**LAND TRANSPORT**

Not classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

**SEA TRANSPORT**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea. Also not applicable for Annex II of MARPOL 73/78 and the IBC code.

**AIR TRANSPORT**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air.

**Section 15 : REGULATORY INFORMATION**

**The product is not subject to following international agreement :**

Montreal Protocol (Ozone Depleting Substances)

Stockholm Convention (Persistent Organic Pollutants)



Rotterdam Convention (Prior Informed Consent)

Basel Convention (Hazardous Waste)

## Section 16 : OTHER INFORMATION

The information in this document is given to the best of Cizen's knowledge, based on laboratory testing and practical experience. Cizen's products are considered as semi-finished goods and as such, products are often used under conditions beyond Cizen's control. Cizen cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements.

Cizen reserves the right to change the given data without further notice. Users should always consult Cizen for specific guidance on the general suitability of this product for their needs and specific application practices.