

## SAFETY DATA SHEET

### SECTION 1) IDENTIFICATION

**Product ID:** Pal Tiya Premium  
**Product Name:** Pal Tiya Premium. Outdoor Sculpting Material. Dry powder mix.  
**Revision Date:** Nov 21, 2021 **Supersedes Date:** Jul 26, 2016  
**Version:** 2.0  
**Manufacturer's Name:** Pal Tiya International  
**Address:** PO Box 15242 Miramar Wellington, NZ, 6243  
**Emergency Phone:** +64-211-765-122  
**Information Email:** info@paltiya.com

**Product/Recommended Uses:** Outdoor Sculpture

### SECTION 2) HAZARDS IDENTIFICATION

#### 2.1 Classification

Respiratory Sensitizer (Solid/Liquid) - Category 1. Avoid breathing dust.

#### Classification

P281 - Use personal protective equipment as required.

H315 - Causes skin irritation

Serious Eye Damage - Category 1

Skin Sensitizer - Category 1

Avoid prolonged contact with the eyes, which may cause mild eye discomfort, tearing, or blurring of vision.

Do not rub eyes.

P103 - Read label before use.

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

### SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Note:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

CAS	Chemical Name	GHS Classifications	% By Weight
0065997-15-1	PORTLAND CEMENT SILICATE	N.A.	30% - 60%
proprietary	PROPRIETARY INGREDIENTS	N.A.	10% - 35%
0014808-60-7	SILICA, CRYSTALLINE (SAND)	STOT RE 2, H373	15% - 35%
proprietary	PROPRIETARY REINFORCEMENTS	N.A.	0.10% - 5%

## SECTION 4) FIRST-AID MEASURES

### Inhalation

Take precautions to ensure your own safety (e.g. wear appropriate protective equipment).

### Eye Contact

Gently brush product off face. Do not rub eyes. Let the eyes water naturally for a few minutes. Look right and left, then up and down. If particle/dust does not come out, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelids open. If eye irritation persists: Get medical advice/attention. Do not attempt to manually remove anything from the eyes.

### Skin Contact

Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed.

### Ingestion

Rinse mouth. If you feel unwell/If concerned: Get medical advice/attention.

## SECTION 5) FIRE-FIGHTING MEASURES

### Special Protective Actions

Not applicable.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

Ensure adequate ventilation.

### Recommended Equipment

See section 8 for specifics on protective personal equipment (PPE).

### Personal Precautions

Wear Gloves. Avoid breathing dust. Wear dust mask if particles are airborne.

### 6.3 Methods and Materials for Containment and Cleaning up

Rinse away with water. Avoid raising dust. Dispose of contaminated materials according to federal, state and local regulations.

## SECTION 7) HANDLING AND STORAGE

### General

Avoid breathing dust. Avoid contact with skin, eye or clothing. Wash hands after use.

### 7.1 Precautions for safe handling

Avoid getting on Skin or in Eyes.  
ALWAYS wear suitable gloves while handling/mixing/using dry or wet uncured material.

### Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits.

### Storage Room Requirements

Keep containers securely sealed when not in use. Protect from moisture. Water contamination should be avoided. Keep container(s) tightly closed and properly labeled. Containers that have been opened must be carefully resealed to prevent leakage.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye Protection

Wear Dust-proof eye protection.

### Skin Protection

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers.

### Respiratory Protection

Wear air-filtering masks for airborne dust.

### 8.2 Exposure Controls

Wear gloves while handling dry or wet uncured material.  
Wear adequate eye protection when available.

Chemical Name	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	OSHA TWA (mg/m3)
PORTLAND CEMENT SILICATE	1 (E,R)				A4	Pulm func; resp symptoms; asthma	A4	[15]; [5 (a)]; [50 mppcf];
SILICA, CRYSTALLINE	0.025 (R)				A2	Pulmonary fibrosis; lung cancer	A2	[10 mg/m3 percent SiO2+2 / 250 percent SiO2+5 mppcf]; [30 mg/m3 percent SiO2+2];

Chemical Name	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
PORTLAND CEMENT SILICATE						[1]; [3];	10,5a	
SILICA, CRYSTALLINE	a					[1,3]; [3];	0.05e	

Chemical Name	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen
PORTLAND CEMENT SILICATE			
SILICA, CRYSTALLINE			1

(C) - Ceiling limit, (R) - Respirable fraction, A2 - Suspected Human Carcinogen, A4 - Not Classifiable as a Human Carcinogen, func - Function, pulm - Pulmonary, resp - respiratory

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Active cementitious components will rapidly become alkaline upon mixing with water before setting hard. Wear PPE accordingly.

Density	1.40000 kg/l
Specific Gravity	1.40000
% VOC	0.00000%
Density VOC	0.00000 lb/gal
% HAPS	0.00000%
Density HAPS	0.00000 lb/gal
% VHAPS	0.00000%
Density VHAPS	0.00000 lb/gal
% Solids By Weight	0.00000%

Appearance	Dry Powder
Odor Threshold	N/A
Odor Description	N/A
pH	N/A
Water Solubility	N/A
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	N/A
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Freezing Point	N/A
Melting Point	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A
Evaporation Rate	N/A
Coefficient Water/Oil	N/A

## SECTION 10) STABILITY AND REACTIVITY

### 10.2 Chemical Stability

Stable under normal storage and handling conditions.

### Incompatible Materials

Strong bases, acids, and oxidizing agents.

### 10.4 Conditions To Avoid

Keep out of reach of children. Avoid contact with acids.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Acute Toxicity

May be harmful if inhaled

Harmful if swallowed

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

### Classification of the substance or mixture

Use personal protective equipment as required.

Prolonged or repeated contact may lead to an allergic skin sensitization in some people and dermatitis (dryness, chapping and reddening of skin).

### Serious Eye Damage/Irritation

Avoid any contact with the eyes, which may cause mild eye discomfort, tearing, or blurring of vision.

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

### Chronic Exposure

0014808-60-7 SILICA, CRYSTALLINE

Prolonged inhalation of respirable crystalline silica/sand dust can result in lung disease (i.e. silicosis and/or lung cancer). Symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.

#### Potential Health Effects - Miscellaneous

0014808-60-7 SILICA, CRYSTALLINE

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica/sand may lead to x-ray changes and chronic lung disease. Inhalation of high dust concentrations may cause: breathing difficulties, lung injury. WARNING: This chemical is known to the State of California to cause cancer.

## SECTION 12) ECOLOGICAL INFORMATION

#### Bioaccumulative Potential

Not applicable.

#### Toxicity

Not applicable.

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to GHS (Globally Harmonized System).

Collect spillage.

Rinse away with water.

Stable under normal storage and handling conditions.

See section 8 for specifics on protective personal equipment (PPE).

Waste management should be in full compliance with federal, state and local laws.

#### Other Adverse Effects

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

#### Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws.

## SECTION 14) Transport Information

	U.S. DOT Information	IMDG Information	IATA Information
<b>UN Number:</b>	Not Regulated	Not Regulated	Not Regulated
<b>Proper shipping name:</b>	N/A	N/A	N/A
<b>Hazard Class:</b>	Not Applicable	Not Applicable	Not Applicable
<b>Packaging:</b>	Not Applicable	Not Applicable	Not Applicable
<b>Hazardous substance (RQ):</b>	No Data Available		
<b>Marine Pollutant:</b>	No Data Available	No Data Available	
<b>Note / Special Provision:</b>	No Data Available	No Data Available	No Data Available
<b>Toxic-Inhalation Hazard:</b>	No Data Available		

## SECTION 15) REGULATORY INFORMATION

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

CAS	Chemical Name	Regulation List
0065997-15-1	PORTLAND CEMENT SILICATE	SARA312,TSCA,MA_RightToKnow - MASSACHUSETTS RIGHT TO KNOW
proprietary	PROPRIETARY INGREDIENTS	SARA312,TSCA
0014808-60-7	SILICA, CRYSTALLINE (SAND)	SARA312,TSCA,CA_Prop65 - California Proposition 65,MA_RightToKnow - MASSACHUSETTS RIGHT TO KNOW
proprietary	PROPRIETARY REINFORCEMENTS	SARA312,TSCA



**WARNING:** This product can expose you to chemicals including SILICA, CRYSTALLINE, which is [are] known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16) OTHER INFORMATION

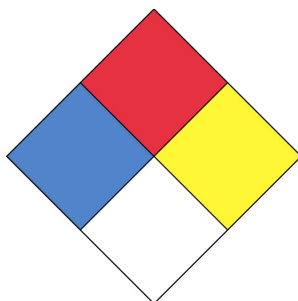
### Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL- Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

### HMIS

Health	7 / 1
FLAMMABILITY	0
Physical Hazard	0
Personal Protection	B

### NFPA



(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

### Version 2.0:

Revision Date: Nov 21, 2021

### Full text of H-Statements referred to under Section 3

H373 May cause damage to organs through prolonged or repeated exposure

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