

## Material Safety Data Sheet

Material Name: Tropical Silicone

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

#### Manufacturer Information

White Lava Products  
99-890 Iwaena Street  
Aiea, HI 96701  
Phone: 808-487-3043

#### Emergency Numbers:

CHEMTREC (USA): 800-424-9300  
CHEMTREC (Intl): 703-527-3887  
National Poison Control: 800-222-1222

### \*\*\* Section 2 - Hazards Identification \*\*\*

#### Emergency Overview

May cause eye and skin irritation.

#### Potential Health Effects: Eyes

May cause irritation.

#### Potential Health Effects: Skin

May cause irritation.

#### Potential Health Effects: Ingestion

Not a likely route of exposure under normal product use conditions. If swallowed, may cause gastrointestinal irritation.

#### Potential Health Effects: Inhalation

Not expected due to low vapor pressure.

#### HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component
63148-62-9	Poly(dimethylsiloxane)
37244-96-5	Nepheline syenite
22984-54-9	2-Butanone, O,O',O''-(methylsilyldiyl)trioxime
13463-67-7	Titanium dioxide
112945-52-5	Silica, amorphous, fumed, crystal-free
556-67-2	Octamethylcyclotetrasiloxane
96-29-7	Methyl ethyl ketoxime
34206-40-1	2-Butanone, O,O',O'',O'''-silanetetrayltetraoxime
541-05-9	Cyclotrisiloxane, hexamethyl-

### \*\*\* Section 4 - First Aid Measures \*\*\*

#### First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes.

#### First Aid: Skin

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

#### First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice.

#### First Aid: Inhalation

None necessary.

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

#### General Fire Hazards

See Section 9 for Flammability Properties.

This material does not present any unusual fire or explosion hazards.

#### Hazardous Combustion Products

Oxides of carbon, formaldehyde, silicon dioxide and hydrocarbons.

#### Extinguishing Media

Use water mist, carbon dioxide, sand, dry chemical or alcohol-resistant foam.

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### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

**NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

#### Containment Procedures

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material. Close leak if possible without risk.

#### Clean-Up Procedures

Take up mechanically and dispose of according to local, state, and federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

#### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

#### Special Procedures

Disposal of spilled materials should be in accordance with local, state, and federal regulations.

### \*\*\* Section 7 - Handling and Storage \*\*\*

#### Handling Procedures

Avoid contact with skin and eyes. Spilled substance increases risk of slipping.

#### Storage Procedures

Keep container tightly closed and in a dry and cool place.

### \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

#### A: Component Exposure Limits

**Titanium dioxide (13463-67-7)**

ACGIH: 10 mg/m<sup>3</sup> TWA

OSHA: 10 mg/m<sup>3</sup> TWA (total dust)

#### Engineering Controls

Use with adequate ventilation.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Personal Protective Equipment: Eyes/Face

Safety glasses with side shields.

##### Personal Protective Equipment: Skin

Use appropriate hand protection.

##### Personal Protective Equipment: Respiratory

Not normally required.

##### Personal Protective Equipment: General

Eye wash fountain is recommended.

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

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<b>Appearance:</b>	Clear	<b>Odor:</b>	None
<b>Physical State:</b>	Liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	ND	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	ND	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	ND	<b>Specific Gravity:</b>	ND
<b>Evaporation Rate:</b>	ND	<b>VOC:</b>	
<b>Octanol/H2O Coeff.:</b>	ND	<b>Flash Point:</b>	ND
<b>Flash Point Method:</b>	ND	<b>Upper Flammability Limit (UFL):</b>	ND
<b>Lower Flammability Limit (LFL):</b>	ND	<b>Burning Rate:</b>	ND
<b>Auto Ignition:</b>	ND		

### \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

#### Chemical Stability

This is a stable material.

#### Chemical Stability: Conditions to Avoid

None known

#### Incompatibility

None known.

#### Hazardous Decomposition

Not determined.

#### Possibility of Hazardous Reactions

Will not occur.

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Acute Dose Effects

##### A: General Product Information

No information available for the product.

##### B: Component Analysis - LD50/LC50

###### Poly(dimethylsiloxane) (63148-62-9)

Oral LD50 Rat: >17 g/kg; Dermal LD50 Rabbit:>2 g/kg

###### Titanium dioxide (13463-67-7)

Oral LD50 Rat: >10000 mg/kg

###### Silica, amorphous, fumed, crystal-free (112945-52-5)

Oral LD50 Rat: 3160 mg/kg

###### Octamethylcyclotetrasiloxane (556-67-2)

Inhalation LC50 Rat: >12.7 mg/kg/4H; Inhalation LC50 Rat:>17.6 mg/L/1H; Oral LD50 Rat:1540 mg/kg; Dermal LD50 Rat:>2400 mg/kg; Dermal LD50 Rabbit:>4640 mg/kg; Dermal LD50 Rabbit:794 µL/kg

###### Methyl ethyl ketoxime (96-29-7)

Inhalation LC50 Rat: 20 mg/L/4H; Oral LD50 Rat:930 mg/kg; Dermal LD50 Rabbit:0.2 mg/kg

#### Carcinogenicity

##### A: General Product Information

No information available for the product.

##### B: Component Carcinogenicity

###### Titanium dioxide (13463-67-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

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**Silica, amorphous, fumed, crystal-free (112945-52-5)**

IARC: Monograph 68 [1997] (listed under Amorphous silica) (Group 3 (not classifiable))

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product. **B: Component**

#### Analysis - Ecotoxicity - Aquatic Toxicity

##### Octamethylcyclotetrasiloxane (556-67-2) Test & Species

96 Hr LC50 Brachydanio rerio	>500 mg/L	Conditions
96 Hr LC50 Lepomis macrochirus	>1000 mg/L	
24 Hr EC50 Daphnia magna	25.2 mg/L	

##### Methyl ethyl ketoxime (96-29-7)

#### Test & Species

96 Hr LC50 Pimephales promelas	843 mg/L [flow-through]	Conditions
96 Hr LC50 Leuciscus idus	320-1000 mg/L	
96 Hr LC50 Poecilia reticulata	760 mg/L [static]	
72 Hr EC50 Scenedesmus subspicatus	83 mg/L	
5 min EC50 Photobacterium phosphoreum	950 mg/L	
17 Hr EC50 Pseudomonas putida	281 mg/L	
48 Hr EC50 Daphnia magna	750 mg/L	

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

Shipping Name: Not Regulated

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

**TSCA status:** All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4). **State Regulations**

### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Titanium dioxide	1 3463-67-7	No	Yes	Yes	Yes	Yes	Yes
Methyl ethyl ketoxime	96-29-7	No	No	Yes	No	No	No

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### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

### Additional Regulatory Information

### Component Analysis - Inventory

Component	CAS#	CAN	EEC
Poly(dimethylsiloxane)	63148-62-9	DSL	No
Nepheline syenite	37244-96-5	DSL	No
2-Butanone, O,O',O"- (methylsilyldyne)trioxime	22984-54-9	DSL	EINECS
Titanium dioxide	13463-67-7	DSL	EINECS
Silica, amorphous, fumed, crystal-free	112945-52-5	DSL	No
Octamethylcyclotetrasiloxane	556-67-2	DSL	EINECS
Methyl ethyl ketoxime	96-29-7	DSL	EINECS
2-Butanone, O,O',O",O"-silanetetrayltetraoxime	34206-40-1	DSL	EINECS
Cyclotrisiloxane, hexamethyl-	541-05-9	DSL	EINECS

### \*\*\* Section 16 - Other Information \*\*\*

#### Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws. **Key/Legend**

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration.; NJTSR = New Jersey Trade Secret Registry.