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# LEGGARI

# EPOXY PIGMENT

## White Safety Data Sheet

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# 1 | PRODUCT INFORMATION



TRADE NAME (AS LABELED):

LEGGARI WHITE EPOXY PIGMENT:

SUPPLIER/MANUFACTURER'S NAME:

LEGGARI PRODUCTS, LLC

ADDRESS:

3105 E AINSWORTH AVE  
WAREHOUSE 5, BAY 2  
PASCO, WA 99301

TELEPHONE:  
EMAIL:

1-844-LEGGARI (534-4274)  
CUSTOMERSERVICE@LEGGARI.COM

# 2 | HAZARDS IDENTIFICATION



\* This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

## **OSHA/HCS STATUS**

- While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

## **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

- Not classified

## **GHS LABEL ELEMENTS**

### **Signal word**

- No signal word

### **Hazard statements**

- No known significant effects or critical hazards

## **PRECAUTIONARY STATEMENTS**

### **Prevention**

- Not applicable

### **Response**

- Not applicable

### **Storage**

- Not applicable

### **Disposal**

- Not known

### **Supplemental label elements**

- Not known

### **Hazards not otherwise classified**

- Not known

- Not available

# 3 | COMPOSITION/INFORMATION ON INGREDIENTS



Substance/mixture:

Mixture

Chemical name:

Mixture

Other means of identification:

CC10333800WE



## CAS NUMBER/OTHER IDENTIFIERS

Ingredient name	%	CAS number
Titanium dioxide	75 - 90	13463-67-7

\* Any concentration shown as a range is to protect confidentiality or is due to bath variations.

- There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

\* Occupational exposure limits, if available, are listed in Section 8.

## 4 | FIRST AID MEASURES



### DESCRIPTION OF FIRST NECESSARY FIRST AID MEASURES

<b>Eye contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. - Get medical attention if irritation occurs.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### Most important systems/effects, acute and delayed

##### Potential acute health effects

Eye contact: - No known significant effects or critical hazards  
Inhalation: - No known significant effects or critical hazards  
Skin contact: - No known significant effects or critical hazards  
Ingestion: - No known significant effects or critical hazards

##### Over-exposure signs/symptoms

Eye contact: - No specific data  
Inhalation: - No specific data  
Skin contact: - No specific data  
Ingestion: - No specific data

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: - Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
Specific treatments: - No specific treatment.  
Protection of first-aiders: - No action shall be taken involving any personal risk or without suitable training.

\*See toxicological information (Section 11)

## 5 | FIRE FIGHTING MEASURES



#### Extinguishing media

Suitable extinguishing media: - In case of fire, use water spray (fog), foam, dry chemical or CO2.  
Unsuitable extinguishing media: - None known

#### Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.



Hazardous thermal decomposition products:

Decomposition products may include the following materials:

- Carbon dioxide
- Carbon monoxide
- Metal oxide/oxides

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 | ACCIDENTAL RELEASE MEASURES



### **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. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Personal protective equipment.

#### **For emergency responders**

If specialized 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".

#### **Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

#### **Small spill**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### **Large spill**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, watercourses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7 | HANDLING AND STORAGE



### **PRECAUTIONS FOR SAFE HANDLING**

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8).

#### **Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### **Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.





## **CONTROL PARAMETERS**

### **Occupational exposure limits**

<b>Ingredient name</b>	<b>Exposure limits</b>
<b>Titanium dioxide</b>	<p><b>OSHA PEL 1989 (1989-03-01)</b> TWA 10 mg/m<sup>3</sup> Form: Total dust</p> <p><b>OSHA PEL (1993-06-30)</b> TWA 15 mg/m<sup>3</sup> Form: Total dust</p> <p><b>ACGIH TLV (1996-05-18)</b> TWA 10 mg/m<sup>3</sup></p>
<b>Carbon black</b>	<p><b>OSHA PEL 1989 (1989-03-01)</b> TWA 3.5 mg/m<sup>3</sup></p> <p><b>OSHA PEL (1993-06-30)</b> TWA 3.5 mg/m<sup>3</sup></p> <p><b>NIOSH REL (1994-06-01)</b> TWA 3.5 mg/m<sup>3</sup></p> <p><b>NIOSH REL (1994-06-01)</b> TWA 0.1 mgPAH/m<sup>3</sup></p> <p><b>ACGIH TLV (2010-12-06)</b> TWA 3 mg/m<sup>3</sup> Form: Inhalable fraction</p>

#### **Appropriate engineering controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Environmental exposure controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **INDIVIDUAL PROTECTION MEASURES**

### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### **Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

## **SKIN PROTECTION**

### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

### **Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### **Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### **Respiratory protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.



**APPEARANCE**

<b>Physical state:</b>	liquid [liquid]
<b>Color:</b>	WHITE
<b>Odor:</b>	Faint odor
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Flash point:</b>	Not available
<b>Burning time:</b>	Not available
<b>Burning rate:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available

<b>Lower and upper explosive (flammable) limits:</b>	<u>Lower:</u> Not available. <u>Upper:</u> Not available.
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	Not available.
<b>Solubility:</b>	Not available.
<b>Solubility in water:</b>	Insoluble in water.
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto-ignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>SADT:</b>	Not available.
<b>Viscosity:</b>	<u>Dynamic:</u> Not available. <u>Kinematic:</u> Not available.

**AEROSOL PRODUCT**

<b>Heat of combustion :</b>	Not available
<b>Ignition distance :</b>	Not available
<b>Enclosed space ignition - Time : equivalent</b>	Not available
<b>Enclosed space ignition - Deflagration density</b>	Not available
<b>Flame height :</b>	Not available
<b>Flame duration :</b>	Not available



<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability:</b>	Stable under recommended storage and handling conditions (see Section 7).
<b>Possibility of hazardous reactions:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid:</b>	Keep away from extreme heat and oxidizing agents.
<b>Incompatible materials:</b>	Keep away from strong acids. Oxidizer.
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INFORMATION ON TOXICOLOGICAL EFFECTS****ACUTE TOXICITY**

Product/Ingredient name	Result	Species	Dose	
Titanium oxide				
<b>Remarks - Oral:</b>	No applicable toxicity data			
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-

### CONCLUSION/SUMMARY

Mixture. Not fully tested.

### IRRITATION/CORROSION

Product/Ingredient name	Result	Species	Score	Exposure	Observation
Titanium oxide	Skin - Mild irritant	Human	-	72 hrs	-

### CONCLUSION/SUMMARY

Skin:

Eyes:

Respiratory:

Mixture. Not fully tested.

Mixture. Not fully tested.

Mixture. Not fully tested.

### SENSITIZATION

### CONCLUSION/SUMMARY

Skin:

Respiratory:

Mixture. Not fully tested.

Mixture. Not fully tested.

### MUTAGENICITY

### CONCLUSION/SUMMARY

Mixture. Not fully tested.

### CARCINOGENICITY

### CONCLUSION/SUMMARY

Mixture. Not fully tested.

### CLASSIFICATION

Product/Ingredient name	OSHA	IARC	NTP
Titanium oxide	-	2B	-

### REPRODUCTIVE TOXICITY

#### Conclusion/Summary

Mixture. Not fully tested.

### TERATOGENICITY

#### Conclusion/Summary

Mixture. Not fully tested.

#### SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

- Not available

#### SPECIFIC TARGET ORGAN TOXICITY (repeated EXPOSURE)

- Not available

#### Aspiration hazard

- Not available

#### Information on likely routes of exposure

- Not available

### POTENTIAL ACUTE HEALTH EFFECTS

Eye contact:

Inhalation:

Skin Contact:

Ingestion:

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.



## SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Eye contact:	
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.

## IMMEDIATE, DELAYED AND CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

### Short term exposure

Potential immediate effects:	Not available.
Potential delayed effects:	Not available.

### Long term exposure

Potential immediate effects:	Not available.
Potential delayed effects:	Not available.

## POTENTIAL CHRONIC HEALTH EFFECTS

### Conclusion/Summary

Mixture. Not fully tested

### General

No known significant effects or critical hazards

### Carcinogenicity:

No known significant effects or critical hazards

### Mutagenicity:

No known significant effects or critical hazards

### Teratogenicity:

No known significant effects or critical hazards

### Developmental effects:

No known significant effects or critical hazards

### Fertility effects:

No known significant effects or critical hazards

## NUMERICAL MEASURES OF TOXICITY

### Acute toxicity estimates

N/A

### Other information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

## 12 | ECOLOGICAL INFORMATION



### TOXICITY

Product/Ingredient name	Result	Species	Exposure
<b>Titanium oxide</b>	Acute LC50 > 1,000 Mg/l Marine water	Fish - Fundulus heteroclitus	96 h
	Acute LC50 3 Mg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 h
	Acute LC50 6.5 Mg/l Fresh water	Daphnia - Daphnia pulex	48 h
<b>Carbon Black</b>	Acute EC50 37.563 Mg/l Fresh water	Daphnia - Daphnia magna	48 h

### CONCLUSION/SUMMARY

Not available

### PERSISTENCE AND DEGRADABILITY

#### Conclusion/Summary

Not available

### BIOACCUMULATIVE POTENTIAL

Not available

### MOBILITY IN SOIL

#### Soil/water partition coefficient (KOC)

Not available

### Other adverse effects

No known significant effects or critical hazards





**DISPOSAL METHODS:**

The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the

requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**United States - RCRA Acute hazardous waste "P" List:**

Not listed

**United States - RCRA Toxic hazardous waste "U" List:**

Not listed

**U.S. DOT 49CFR GROUND/AIR/WATER**

Not regulated for transportation.

**INTERNATIONAL AIR ICAO/IATA**

Not classified as dangerous goods under transport regulations.

**INTERNATIONAL WATER IMO/IMDG**

Not classified as dangerous goods under transport regulations.

**U.S. FEDERAL REGULATIONS**

United States - TSCA 12(b) - Chemical export notification: None of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Not listed

United States - TSCA 4(a) - ITC Priority list: Not listed

United States - TSCA 4(a) - Proposed test rules: Not listed

United States - TSCA 4(f) - Priority risk review: Not listed

United States - TSCA 5(a)2 - Final significant new use rules: Not listed

United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed

United States - TSCA 5(e) - Substances consent order: Not listed

United States - TSCA 6 - Final risk management: Not listed

United States - TSCA 6 - Proposed risk management: Not listed

United States - TSCA 8(a) - Chemical risk rules: Not listed

United States - TSCA 8(a) - Dioxin/Furane precursor: Not listed

United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined

United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed

United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed

United States - TSCA 8(d) - Health and safety studies: Not listed

United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Rutile, antimony chromium buff

United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed

United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II : Substances: Not Listed

DEA List I Chemicals (Precursor : Chemicals): Not listed

DEA List II Chemicals (Essential : Chemicals): Not listed

**US. EPA CERCLA HAZARDOUS SUBSTANCES (40 CFR 302)**

Not applicable

**SARA 311/312**

Classification: Not applicable.



## COMPOSITION/INFORMATION ON INGREDIENTS

No products were found

Name	%	Classification
Titanium oxide	≥ 75 - ≤ 90	Carcinogenicity - Category 2

### State regulations

Massachusetts:

None of the components are listed.

New York:

None of the components are listed.

New Jersey:

The following components are listed:

- Titanium dioxide

Pennsylvania:

The following components are listed:

- Titanium dioxide

### CALIFORNIA PROP. 65

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

Ingredient name	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	-	-
Carbon black	-	-

### United States inventory (TSCA 8b)

All components are active or exempted.

### Canada inventory

All components are active or exempted.

## INVENTORY LIST

### Australia

All components are listed or exempted.

### Canada

All components are listed or exempted.

### China

All components are listed or exempted.

### Europe inventory

All components are listed or exempted.

### Japan

All components are listed or exempted.

### New Zealand

All components are listed or exempted.

### Philippines

All components are listed or exempted.

### Republic of Korea

All components are listed or exempted.

### Taiwan

All components are listed or exempted.

### Turkey

Not determined.

### United States

All components are listed or exempted.



**HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)**

<b>HEALTH</b>	0
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0

**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. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them.

\* HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

\* The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

**KEY TO ABBREVIATIONS**

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

**Prepared by:**  
**Revision Date:**

LEGGARI PRODUCTS LLC  
JANUARY 2022

**DISCLAIMER:**

Leggari Products, LLC believes, to the best of its knowledge, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Leggari Products, LLC makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

