
LEGGARI

EPOXY PIGMENT

Jet Black Safety Data Sheet

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1 | PRODUCT INFORMATION



TRADE NAME (AS LABELED):

LEGGARI JET BLACK 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:

CC10333974WE



CAS NUMBER/OTHER IDENTIFIERS

Ingredient name	%	CAS number
Titanium dioxide	≥ 1 - ≤ 3	13463-67-7
Carbon black	> 5 - ≤ 3	1333-86-4

* 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

Eye contact	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.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	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

Ingredient name	Exposure limits
Titanium dioxide	<p>OSHA PEL 1989 (1989-03-01) TWA 10 mg/m³ Form: Total dust</p> <p>OSHA PEL (1993-06-30) TWA 15 mg/m³ Form: Total dust</p> <p>ACGIH TLV (1996-05-18) TWA 10 mg/m³</p>
Carbon black	<p>OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m³</p> <p>OSHA PEL (1993-06-30) TWA 3.5 mg/m³</p> <p>NIOSH REL (1994-06-01) TWA 3.5 mg/m³</p> <p>NIOSH REL (1994-06-01) TWA 0.1 mgPAH/m³</p> <p>ACGIH TLV (2010-12-06) TWA 3 mg/m³ 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

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

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

AEROSOL PRODUCT

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



Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Keep away from extreme heat and oxidizing agents.
Incompatible materials:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products:	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	LC50 Inhalation Dusts and mist	Rat - Male	6.82 Mg/l	4h
	LD50 Dermal	Rabbit	>5,000 mg/kg	-
Carbon black	LD50 Oral	Rat	15,400 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	-
Carbon black	-	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
Titanium oxide	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
Carbon Black	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	≥ 1 - ≤ 3	Carcinogenicity - Category 2
Carbon Black	> 5 - ≤ 10	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
- Rutile, antimony chromium buff
- Carbon black

Pennsylvania:

The following components are listed:

- Titanium dioxide
- Rutile, antimony chromium buff

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.

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

Not determined.

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.)**

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	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

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