

Revision Date 22-Dec-2017

Revision Number 2

1. IDENTIFICATION

Product Identifier**Product Name** Pearl Opal Metallic Powder**Other means of identification****Product Code(s)** 14119**Product Type** Polyester TGIC**Recommended use of the chemical and restrictions on use****Recommended Use** Industrial Coating. **Uses advised against** No information available**Details of the supplier of the safety data sheet****Supplier Address**

Eastwood Company 263 Shoemaker Road Pottstown, PA 19464

800-343-9353

Emergency telephone number**Emergency Telephone Number** CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

Label elements**Emergency Overview****Signal Word** Danger**Hazard Statements**

Causes serious eye damage

May cause an allergic skin reaction

May cause genetic defects

Suspected of causing cancer

May cause damage to organs through prolonged or repeated exposure



Appearance Powder

Physical State Solid, powder

Odor None

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated work clothing must not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see Section 4 on this SDS)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor
IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store in a dry place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
Product dust may be irritating to eyes, skin and respiratory system

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Components	CAS No.	Weight-%	Trade Secret
Barium sulfate	7727-43-7	15-30	*
Triglycidyl Isocyanurate (TGIC)	2451-62-9	1-5%	*
Titanium dioxide	13463-67-7	1-5%	*
C.I. Pigment Blue 15	147-14-8	1-5%	*
Rutile (TiO ₂)	1317-80-2	1-5%	*
Rutile (TiO ₂)	1317-80-2	<1.0%	*
Carbon black	1333-86-4	<1.0%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a physician.

Skin Contact

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.

Inhalation	Remove to fresh air.
Ingestion	None under normal use conditions. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use, Foam, Dry chemical or CO₂

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Fine dust dispersed in air may ignite. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation. Use personal protection equipment. Avoid dust formation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Cleaning Up

Prevent environmental discharge consistent with regulatory requirements. Use non-sparking tools. Pick up and transfer to properly labeled containers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Use personal protection equipment. Avoid contact with eyes, skin and clothing. Do not breathe dust. Avoid dust formation. Do not ingest.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed. Store in accordance with local regulations. Store in a dry place. Store at room temperature.

Incompatible Products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

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Components	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - WEEL
Barium sulfate 7727-43-7	TWA: 5 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 10 mg/m ³ (vacated) TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	-
Triglycidyl Isocyanurate (TGIC) 2451-62-9	TWA: 0.05 mg/m ³	-	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ (vacated) TWA: 10 mg/m ³	IDLH: 5000 mg/m ³	-
C.I. Pigment Blue 15 147-14-8	TWA: 1 mg/m ³	-	IDLH: 100 mg/m ³ TWA: 1 mg/m ³	-
Rutile (TiO ₂) 1317-80-2	TWA: 10 mg/m ³	TWA: 15 mg/m ³ (vacated) TWA: 10 mg/m ³	IDLH: 5000 mg/m ³	-
Rutile (TiO ₂) 1317-80-2	TWA: 10 mg/m ³	TWA: 15 mg/m ³ (vacated) TWA: 10 mg/m ³	IDLH: 5000 mg/m ³	-
Carbon black 1333-86-4	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³	-

NIOSH IDLH: Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Avoid contact with eyes. Eye protection.

Skin and Body Protection

Wear protective gloves/protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Solid, powder

Appearance

Powder

Color

No information available

Odor

Odorless

Odor Threshold

No data available

Property

Values

Remarks • Method

pH

Specific test data for the substance or mixture is not available

Melting point / freezing point

No information available

Boiling Point / Boiling Range

Specific test data for the substance or mixture is not available

Flash Point

Specific test data for the substance or mixture is not available

Evaporation Rate

No information available

Flammability (solid, gas)

No information available

Flammability Limit in Air

Upper Explosive Limits

70 g/m³

Lower Explosive Limits

30 g/m³

Vapor pressure

Negligible

Vapor Density

Specific test data for the substance or mixture is not available

Specific Gravity

1.2-1.8

Water Solubility

Immiscible in water

Solubility in other solvents

Specific test data for the substance or

Partition coefficient	mixture is not available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	Specific test data for the substance or mixture is not available
Explosive Properties	No information available
Oxidizing Properties	No information available

Other Information

Softening Point	Specific test data for the substance or mixture is not available
Solids	100%

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Excessive heat.

Incompatible Materials

Strong oxidizing agents, strong acids, and strong bases

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.
Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Repeated exposure may cause skin dryness or cracking. May cause irritation.
Ingestion	Not an expected route of exposure. May be harmful if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Barium sulfate 7727-43-7	= 307000 mg/kg (Rat)	-	-
Triglycidyl Isocyanurate (TGIC) 2451-62-9	= 302 mg/kg (Rat)	-	= 0.65 mg/L (Rat) 4 h > 0.65 mg/L (Rat) 4 h
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
C.I. Pigment Blue 15 147-14-8	> 10000 mg/kg (Rat)	-	-
Rutile (TiO ₂) 1317-80-2	> 10000 mg/kg (Rat)	-	-
Rutile (TiO ₂) 1317-80-2	> 10000 mg/kg (Rat)	-	-
Carbon black 1333-86-4	> 15400 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms	Specific test data for the substance or mixture is not available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

May cause sensitization in susceptible persons.

Mutagenic Effects

Specific test data for the substance or mixture is not available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7	-	Group 2B	-	X
Rutile (TiO ₂) 1317-80-2	-	Group 2B	-	X
Rutile (TiO ₂) 1317-80-2	-	Group 2B	-	X
Carbon black 1333-86-4	A3	Group 2B	-	X

*IARC (International Agency for Research on Cancer)**Group 2B - Possibly Carcinogenic to Humans***Reproductive Toxicity**

No information available

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Chronic Toxicity

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Experiments have shown reproductive toxicity effects on laboratory animals. See Section 11 for additional Toxicological Information.

Target Organ Effects

Eyes, Respiratory system.

Aspiration Hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4,374.00
ATEmix (inhalation-dust/mist) 11.92 55671.91 453860.61

12. ECOLOGICAL INFORMATION**Ecotoxicity**

6.21421864 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Components	log Pow
C.I. Pigment Blue 15 147-14-8	6.6

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal Methods**

Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION**DOT**

Not regulated.

IATA

Not regulated.

IMDG/IMO

Not regulated.

15. REGULATORY INFORMATION**TSCA 8(b)**

All components are listed or exempt

DSL

All components are listed or exempt

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Components	Weight-%	SARA 313 - Threshold Values %
Barium sulfate - 7727-43-7	15-30	1.0
C.I. Pigment Blue 15 - 147-14-8	1-5%	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Chromium hydroxide (Cr(OH)3) 1308-14-1	<0.1%	

CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations**California Proposition 65**

This product contains (a) Proposition 65 chemical(s)

Components	New Jersey	Massachusetts	Pennsylvania
Barium sulfate 7727-43-7	X	X	X
C.I. Pigment Blue 15 147-14-8	X	Not Listed	X
Iron oxide (Fe2O3) 1309-37-1	X	X	X
Tin oxide (SnO2) 18282-10-5	X	X	Not Listed
Silica, amorphous 7631-86-9	Not Listed	X	X

U.S. EPA Label Information**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION****NFPA**

Health Hazard 2

Flammability 1

Instability 0

Physical and Chemical
Hazards -**HMIS / WHMIS**

Health Hazard 2

Flammability 1

Physical hazards 0

Personal Precautions X

Revision Date

22-Dec-2017

Revision Note

No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet