

# SAFETY DATA SHEET

## 1. Identification

|   |  |              |  |
|---|--|--------------|--|
| <b>Product identifier</b>                                     | <b>Castin'Craft Opaque Pigment</b>                               |              |  |
| <b>Other means of identification</b>                          |  |              |  |
| <b>Product code</b>   | 46345, 46299, 46302, 46280, 46329, 46337, 46353, 46440           |              |  |
| <b>Recommended use</b>  | Coloring agent for Casting Resin, Castin Epoxy, and Epoxy Resin. |              |  |
| <b>Recommended restrictions</b>                               | None known.  |              |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |              |  |
| <b>Company name</b>   | Environmental Technology, Inc.                                   |              |  |
| <b>Address</b>  | 300 S. Bay Depot Road<br>Fields Landing<br>CA 95537              |              |  |
| <b>Telephone</b>  | Telephone number   | 707-443-9323 |  |
| <b>E-mail</b>   | mail@eti-usa.com   |              |  |
| <b>Contact person</b>   | Technical Director   |              |  |
| <b>Emergency phone number</b>                                 | CHEMTREC   | 800-424-9300 |  |

## 2. Hazard(s) identification

|  |  |
|--|--|
| <b>Physical hazards</b>                          | Not classified.  |
| <b>Health hazards</b>                            | Not classified.  |
| <b>OSHA defined hazards</b>                      | Not classified.  |
| <b>Label elements</b>                            |  |
| <b>Hazard symbol</b>                             | None.  |
| <b>Signal word</b>                               | None.  |
| <b>Hazard statement</b>                          | The mixture does not meet the criteria for classification.                     |
| <b>Precautionary statement</b>                   |  |
| <b>Prevention</b>                                | Observe good industrial hygiene practices.                                     |
| <b>Response</b>                                  | Wash hands after handling.   |
| <b>Storage</b>                                   | Store away from incompatible materials.  |
| <b>Disposal</b>                                  | Dispose of waste and residues in accordance with local authority requirements. |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | Not applicable.  |

## 3. Composition/information on ingredients

### Mixtures

| <b>Chemical name</b> | <b>CAS number</b> | <b>%</b> |
|----------------------|-------------------|----------|
| Mica                 | 12001-26-2        | <30      |
| Titanium dioxide     | 13463-67-7        | < 30     |
| C.I. Pigment Green 7 | Proprietary       | <20      |
| Phthalo Blue         | Proprietary       | <20      |
| Talc                 | 14807-96-6        | <20      |

This safety data sheet is a generic safety data sheet created to cover various Castin'Craft Opaque Pigment formulations. Not all the ingredients listed above is found in each product.

## 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.   |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                     |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire-fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS. |
| <b>Methods and materials for containment and cleaning up</b>               | The product is immiscible with water and will spread on the water surface. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use. For waste disposal, see Section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.   |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. Avoid prolonged exposure. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).                                 |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                        | Type | Value                | Form        |
|-----------------------------------|------|----------------------|-------------|
| Titanium dioxide (CAS 13463-67-7) | PEL  | 15 mg/m <sup>3</sup> | Total dust. |

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components            | Type | Value                 | Form        |
|-----------------------|------|-----------------------|-------------|
| Mica (CAS 12001-26-2) | TWA  | 20 mppcf              |             |
| Talc (CAS 14807-96-6) | TWA  | 0.3 mg/m <sup>3</sup> | Total dust. |
|                       |      | 0.1 mg/m <sup>3</sup> | Respirable. |
|                       |      | 20 mppcf              |             |
|                       |      | 2.4 mppcf             | Respirable. |

## US. ACGIH Threshold Limit Values

| Components                        | Type | Value    | Form                 |
|-----------------------------------|------|----------|----------------------|
| Mica (CAS 12001-26-2)             | TWA  | 3 mg/m3  | Respirable fraction. |
| Talc (CAS 14807-96-6)             | TWA  | 2 mg/m3  | Respirable fraction. |
| Titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m3 |                      |

## US. NIOSH: Pocket Guide to Chemical Hazards

| Components                             | Type | Value   | Form           |
|--|------|---------|----------------|
| C.I. Pigment Green 7 (CAS Proprietary) | TWA  | 1 mg/m3 | Dust and mist. |
| Mica (CAS 12001-26-2)                  | TWA  | 3 mg/m3 | Respirable.    |
| Phthalo Blue (CAS Proprietary)         | TWA  | 1 mg/m3 | Dust and mist. |
| Talc (CAS 14807-96-6)                  | TWA  | 2 mg/m3 | Respirable.    |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

No protection is ordinarily required under normal conditions of use.

#### Skin protection

##### Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

##### Other

Wear suitable protective clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

Liquid color paste.

#### Physical state

Liquid.

#### Form

Liquid. Paste.

#### Color

Opaque Colors.

### Odor

Pungent.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

Not available.

### Flash point

> 200.0 °F (> 93.3 °C)

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not applicable.

### Upper/lower flammability or explosive limits

#### Flammability limit - lower (%)

Not available.

#### Flammability limit - upper (%)

Not available.

#### Explosive limit - lower (%)

Not available.

#### Explosive limit - upper (%)

Not available.

### Vapor pressure

Not available.

### Vapor density

Not available.

### Relative density

Not available.

|  |                    |
|--|--------------------|
| <b>Solubility(ies)</b>                         |                    |
| <b>Solubility (water)</b>                      | Insoluble (<0.1%). |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.     |
| <b>Auto-ignition temperature</b>               | Not available.     |
| <b>Decomposition temperature</b>               | Not available.     |
| <b>Viscosity</b>                               | Not available.     |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Ingestion</b>    | Expected to be a low ingestion hazard. May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.   |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.   |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.   |

**Symptoms related to the physical, chemical and toxicological characteristics**  
Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

| Components                     | Species | Test Results |
|--------------------------------|---------|--------------|
| Phthalo Blue (CAS Proprietary) |         |              |
| <b>Acute</b>                   |         |              |
| <i>Oral</i>                    | Rat     | 15000 mg/kg  |

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

#### Respiratory or skin sensitization

**Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classified.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Talc (CAS 14807-96-6) 3 Not classifiable as to carcinogenicity to humans.  
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Due to the high viscosity the product is not an aspiration hazard.  
**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.  
**Persistence and degradability** No data is available on the degradability of this product.  
**Bioaccumulative potential** No data available.  
**Mobility in soil** No data available.  
**Other adverse effects** None known.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.  
**Local disposal regulations** Dispose in accordance with all applicable regulations.  
**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  
**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).  
**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

**DOT**  
Not regulated as dangerous goods.  
**IATA**  
Not regulated as dangerous goods.  
**IMDG**  
Not regulated as dangerous goods.  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.  
**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not regulated.  
**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
Not listed.  
**CERCLA Hazardous Substance List (40 CFR 302.4)**  
C.I. Pigment Green 7 (CAS Proprietary) LISTED  
Phthalo Blue (CAS Proprietary) LISTED  
**Superfund Amendments and Reauthorization Act of 1986 (SARA)**  
**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No  
**SARA 302 Extremely hazardous substance**  
Not listed.  
**SARA 311/312 Hazardous chemical** No  
**SARA 313 (TRI reporting)**  
Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

### Safe Drinking Water Act (SDWA)

Not regulated.

## US state regulations

### US. Massachusetts RTK - Substance List

Mica (CAS 12001-26-2)

Talc (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. New Jersey Worker and Community Right-to-Know Act

C.I. Pigment Green 7 (CAS Proprietary)

Mica (CAS 12001-26-2)

Phthalo Blue (CAS Proprietary)

Talc (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

Mica (CAS 12001-26-2)

Talc (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. Rhode Island RTK

Not regulated.

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Titanium dioxide (CAS 13463-67-7)

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|               |  |
|---------------|--|
| Issue date    | 21-July-2016                                       |
| Revision date | -  |
| Version #     | 01   |
| HMIS® ratings | Health: 0<br>Flammability: 0<br>Physical hazard: 0 |

**References**

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.