

## Dur-A-Glaze #4 Field Pigment Pack SAFETY DATA SHEET

**1. IDENTIFICATION**

**Product Identifier:** Dur-A-Glaze #4 Field Pigment Pack

**Recommended use:** Not available

**Manufacturer Name:** Dur-A-Flex, Inc.  
95 Goodwin Street  
East Hartford, CT 06108

**Telephone number:** 860-528-9838

**Emergency phone number:** 1-800- 424-9300 (CHEMTREC)

**Date of Preparation:** July 7, 2020

**2. HAZARD(S) IDENTIFICATION**

**Classification:**

Physical	Health
Not Hazardous	Eye Irritation Category 2A Skin Irritation Category 2 Skin Sensitization Category 1

**Labeling:**



**Warning!**

**Hazard statement(s)**

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

**Precautionary statement(s)**

Avoid breathing mists.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective clothing and protective gloves.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
Dispose of contents and container in accordance with local and national regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Concentration
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Epoxy Resin	25068-38-6	40-60%
Titanium Dioxide	13463-67-7	0.1-40%
Iron Oxide	1309-37-1	2.5-20%
Carbon Black	1333-86-4	0.1-10 %
Bismuth Vanadate (charcoal only)	14059-33-7	1-2.5%

The titanium dioxide, carbon black and bismuth vanadate in this product are inextricably bound in a manner that no exposure occurs during normal use and handling. Therefore, this product is not classified as a carcinogen or specific target organ toxin.

**The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.**

#### 4. FIRST-AID MEASURES

**Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation occurs, get medical attention.

**Skin contact:** Remove contaminated clothing. Wash with soap and water. If irritation develops, get medical attention.

**Eye contact:** Immediately flush with large quantities of water for 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.

**Ingestion:** If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

**Most important symptoms/effects, acute and delayed:** Causes eye irritation. Causes skin irritation. May cause an allergic skin reaction. Inhalation of mists may cause mucous membrane and upper respiratory tract irritation. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Indication of immediate medical attention and special treatment, if necessary:** None required.

#### 5. FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** Use media appropriate for the surrounding fire.

**Specific hazards arising from the chemical:** None known. Combustion after the water has evaporated may generate oxides of carbon.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing as described in Section 8.

**Environmental precautions:** Avoid release to the environment. Report releases as required by local, state and federal authorities.

**Methods and materials for containment and cleaning up:** Contain and collect with an inert absorbent. Place into an appropriate container for disposal. Wash spill site with water. Do not flush to the sewer.

**7. HANDLING AND STORAGE**

**Precautions for safe handling:** Avoid contact with eyes, skin and clothing. Avoid breathing mists. Wash thoroughly after handling and before eating, drinking, smoking or using the toilet. Use with adequate ventilation. Remove and launder contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities:** Store in a closed container in a cool, dry and well-ventilated area. Protect from physical damage. Store away from oxidizing agents and other incompatible materials.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure guidelines:**

Epoxy Resin	None Established
Titanium Dioxide	15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 10 mg/ m <sup>3</sup> TWA ACGIH TLV
Iron Oxide	10 mg/m <sup>3</sup> TWA OSHA PEL (fume) 5 mg/ m <sup>3</sup> TWA ACGIH TLV (respirable fraction)
Carbon Black	3.5 mg/m <sup>3</sup> TWA OSHA PEL 3 mg/m <sup>3</sup> TWA ACGIH TLV (inhalable)
Bismuth Vanadate	None Established

**Appropriate engineering controls:** Use with adequate local exhaust ventilation to minimize exposures.

**Personal Protective Equipment:**

**Respiratory protection:** If the exposures are excessive, a NIOSH approved respirator with a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Skin protection:** Wear impervious gloves to avoid skin contact.

**Eye protection:** Chemical safety goggles recommended.

**Other:** Impervious clothing as needed to avoid contact. An eye wash should be available in the immediate work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance (physical state, color, etc.):** Colored liquid

**Odor:** Slight to no odor

<b>Odor threshold:</b> Not available	<b>pH:</b> Not available
<b>Melting Point/Freezing Point:</b> Not available	<b>Boiling Point:</b> >4000 °F / >2204.4°C estimated
<b>Flash point:</b> > 200 °F / >93.3 °C estimated	<b>Evaporation rate:</b> Same as water
<b>Flammability (solid, gas):</b> Not applicable	
<b>Flammable limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable
<b>Vapor pressure:</b> Not available	<b>Vapor density:</b> Not available
<b>Relative density:</b> Not available	<b>Solubility(is):</b> Not available
<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
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## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** None known

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid contact with oxidizing agents and acids.

**Hazardous decomposition products:** Combustion after the water has evaporated may generate oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation:** Inhalation of mists may cause mucous membrane and upper respiratory tract irritation.

**Ingestion:** Swallowing may cause irritation to the mouth, throat and stomach with nausea and diarrhea.

**Skin contact:** May cause skin irritation with redness, itching and pain. May cause an allergic skin reaction.

**Eye contact:** May cause irritation with redness, tearing, stinging and swelling.

**Chronic effects from short- and long-term exposure:** Prolonged inhalation of Bismuth Vanadate has been shown to cause lung damage. The Bismuth Vanadate is inextricably bound in a manner that inhalation exposure cannot occur.

**Reproductive Toxicity:** This product is not expected to cause adverse reproductive or developmental effects.

**Sensitization:** Epoxy resin is shown to cause skin sensitization.

**Mutagenicity:** This product is not expected to cause mutagenic activity.

**Carcinogenicity:** Titanium dioxide is listed by IARC as a group 2B carcinogen (possible human carcinogen). Carbon black is listed by IARC as a group 2B carcinogen (possibly carcinogenic to humans), and by ACGIH as an A3 (confirmed animal carcinogen with unknown relevance to humans). These components are encapsulated in a polymer matrix so no inhalable exposure occurs during use or disposal. None of the other components >0.1 are listed by OSHA, IARC, NTP or ACGIH as a carcinogen.

**Acute Toxicity Values:** Carbon Black: Oral rat LD50 > 8000 mg/kg, Inhalation rat LC50 > 4.6 mg/m<sup>3</sup>/4 hr.

Titanium Dioxide: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >6.82 mg/L/4 hr

Iron Oxide: Oral rat LD50 2000 mg/kg bw

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Carbon Black: 96 hr LC0 Danio rerio 1000 mg/L, 24 hr EC50 daphnia magna > 5600 mg/L, EC50 Desmodesmus subspicatus > 10000 mg/L

Titanium Dioxide: 96 hr LC50 Pimephales promelas >1000 mg/L, 48 hr EC50 daphnia magna >1000 mg/L, 72 hr EC50 Pseudokirchneriella subcapitata 61 mg/L

Iron Oxide: 96 hr LC0 Danio rerio > 10,000 mg/L, 48 hr EC50 daphnia magna >100 mg/L

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** None known.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT</b>	None	Not Regulated	None	None	None
<b>TDG</b>	None	Not Regulated	None	None	None
<b>IMDG</b>	None	Not Regulated	None	None	None
<b>IATA</b>	None	Not Regulated	None	None	None

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known

**15. REGULATORY INFORMATION**

**CERCLA:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Refer to Section 2 for the OSHA Hazard Classification.

**SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):** None

**California Proposition 65:** This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): None known

**EPA TSCA Inventory:** All of the ingredients in this product are listed on the EPA TSCA Inventory.

**16. OTHER INFORMATION**

**NFPA Rating:** Health = 2    Flammability = 0    Instability = 0  
**HMIS Rating:** Health = 2    Flammability = 0    Physical Hazard = 0

**SDS Revision History:** New SDS.

**Date of preparation:** July 7, 2020

**Date of last revision:** New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.