

Folk Art Terrazzo Flakes

SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: November 02, 2022

According to: OSHA Hazard Communication Standard
29 CFR 1910.1200(g) Rev. 2012, WHMIS 2015
(Hazardous Products Regulations)

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: Folk Art Terrazzo Flakes
Product sizes: 70 g
Other Means of Identification: None known
Product Description: Solid colored chips intended for general (adults) arts and crafts purposes. The product is intended to be sprinkled over top of a liquid varnish, then sealed with another coat of the liquid varnish and allowed to cure for 24 hours.

1.2 Relevant identified uses of the substance or mixture

Relevant identified use(s): The product is intended for general (adults) arts and crafts purposes

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Plaid Enterprises, Inc.
3225 Westech Drive
Norcross, GA 30092
United States

Supplier telephone: 1-678-291-8259

1.4 Emergency telephone number

Emergency Telephone: 1-678-291-8259

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Health	Environmental	Physical
Not classified	Not classified	Not classified

2.2. Label elements

Label Pictogram: None
Signal Word: None
Hazard Statement: None
Precautionary Statement: None
Supplemental Hazard Information: None

2.3. Other hazards

- No other hazards have been identified for this product.

Section 3 – Composition / Information on Ingredients

3.1 Substances

This product is a mixture and not a substance

3.2 Mixture

Chemical Name	CAS No.	EC No.	% Concentration	GHS Hazards
Titanium dioxide	13463-67-7	236675-5	up to 18%	H351: Carc 2 (Resp)
C.I. Pigment Black 7 (carbon black)	1333-86-4	215-609-9	up to 2%	H351: Carc 2 (Resp)
Diethylene glycol	111-46-6	203-872-2	up to 1.2%	H302: Acute Tox. 4 (oral)

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

It should be noted that the product contains titanium dioxide (CAS No. 13463-67-7) and C.I. Pigment Black 7 (carbon black) (CAS No. 1333-86-4) which may be hazardous when inhaled in the form of airborne respirable particles. Given the nature and physical form of the product (*i.e.*, solid chips), significant levels of airborne respirable particles would not likely be released from the product and therefore the hazard is not relevant to the product.

This SDS was prepared under the assumption that the ingredients, polyurethane (CAS No. 9009-54-5) and epoxy hardeners (CAS No. 24940-63-4), are present in the final product as fully reacted/cured, high-molecular weight, and highly stable polymers with negligible residual monomers present (<0.1%). If this is not the case, reassessment of the product is required.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

Skin contact: No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Get medical advice/attention.

Inhalation: No specific first aid measures are required. Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to **Section 11** - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Not required

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (*e.g.*, water fog, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Do not allow run-off from fire fighting to enter drains or water courses. Collect contaminated fire extinguishing water separately and dispose of in accordance with local regulations. Use a water spray to cool fully closed containers. See also **Section 10 - Stability and Reactivity**.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating vapours or fumes.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8 - Exposure Controls/Personal Protection**.

Emergency Procedures: Not available.

6.2 Environmental precautions:

Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Collect recoverable product and place in a designated container for recycle and/or disposal. Ventilate contaminated area thoroughly. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

Refer to **Section 8 - Exposure Controls/Personal Protection** and **Section 13 - Disposal Considerations**

Section 7– Handling and Storage

7.1 Precautions for safe handling

- Wash hands thoroughly after handling.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Refer to **Section 8 - Exposure Controls/Personal Protection**.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

7.3 Specific end use(s)

- Refer to **Section 1.2 - Relevant identified uses**.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Vapours were considered to be foreseeable under conditions of normal product use; not a concern during shipping and storage. Airborne particles, such as dust, are not foreseeable under conditions of normal use.

Chemical Name	CAS No.	ACGIH TLV TWA	OSHA PEL TWA	NIOSH REL TWA	DFG MAK
Titanium dioxide	13463-67-7	10 mg/m ³	15 mg/m ³ *	-	0.3 mg/m ³ R
C.I. Pigment Black 7 (carbon black)	1333-86-4	3 mg/m ³ I	3.5 mg/m ³ **	3.5 mg/m ³	-
* Total dust			I Measured as Inhalable fraction of the aerosol.		
** 0.1 in presence of PAHs			R Measured as respirable fraction of the aerosol.		

8.2 Exposure Controls:

Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

Respiratory:	Under normal conditions of use, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
Eyes/Face:	If contact is likely, safety glasses with side shields are recommended.
Hands:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.
Body/Skin:	Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.
Thermal Hazards:	None known.
Environmental Exposure Controls:	Not available.
Hygiene measures:	Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: Physical state: Color: Odor:	Solid film flakes Multicolored Not available	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not available
pH (as supplied):	Not available	Decomposition temperature:	Not available
Freezing point:	Not available	Dynamic viscosity:	Not available
Boiling point:	Not available	Molecular weight:	Not available
Flash point:	Not available	Taste:	Not available
Evaporation rate:	Not available	Explosive properties:	None
Flammability:	Not available	Oxidizing properties:	None
Upper/lower explosive limits:	Not available	Surface tension:	None
Vapor pressure:	Not available	Gas group:	Not available
Water solubility:	Not available	pH (as solution):	Not available
Solubility (other):	Not available	VOC:	Not available
Vapor density (Air = 1):	Not available	Particle size range:	Not available
Relative density:	1.7	Specific gravity (Water = 1):	>1

9.2 Other information

- No data available

Section 10 – Stability and Reactivity

10.1 Reactivity

- This material is not considered to be reactive under normal handling and storage conditions.

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

10.4 Conditions to avoid

- Exposure to high temperatures
- Strong acids
- Strong bases
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidisers
- Strong reducing agents.

10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11 – Toxicological Information

11.1 Information on hazard classes

Likely routes of exposure: Skin/eye contact.

Potential signs and symptoms: None expected under conditions of normal use.

Acute oral toxicity:	Diethylene glycol (CAS No. 111-46-6) has been classified for acute oral toxicity (Category 4); however, the product is considered practically non-toxic based on available animal and human use data. ATE >5000 mg/kg
Acute dermal toxicity:	The product is practically non-toxic based on available animal and human use data. ATE >5000 mg/kg
Acute inhalation toxicity:	The product is practically nontoxic based on available animal and human use data.
Skin corrosion/irritation:	The components >1% of this product are not skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	The components of this product >1% are not eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	The components in this product >0.1% are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The components in the product >0.1% are not classified with respect to mutagenicity by the IARC, NTP, and ACGIH.

Carcinogenicity:	Titanium dioxide (CAS No. 13463-67-7) and C.I. Pigment Black 7 (carbon black) (CAS No. 1333-86-4) (airborne, unbound particles of respirable size) have been classified for carcinogenicity (Category 2). Product classification is not warranted based on a review of available data and the nature of the product (<i>i.e.</i> , solid chips). The other components in the product >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	The components in the product >0.1% are not reproductive toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (single exposure):	The components in the product >1% are not specific target organ toxicity (single exposure) toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (repeated exposure):	The components in the product >1% are not specific target organ toxicity (repeated exposure) toxicants based on animal studies or no data identified for the components in this product.
Aspiration hazard:	The components in the product >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

Section 12 – Ecological Information

12.1 Toxicity

- This product maybe harmful or toxic to aquatic life if released as a bulk product into the environment. Only limited data available.

12.2 Persistence and degradability

- No product data available.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in Soil

- No data available

12.5 Results of PBT and vPvB assessment

- No data available

12.6 Endocrine disrupting properties

- This product is not known to contain endocrine disruptors.

12.7 Other adverse effects

- Do not release large amounts of this product into sewers, drains, rivers, lakes, sea, the air, or soil as the product contains environmental pollutants.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging may exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es):	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States

Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): No components in this product >0.1% are subject to reporting under CERCLA.

Clean Water Act (CWA): No components in this product are listed as toxic pollutants.

Clean Air Act (CAA): No components in this product are listed under the CAA.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: No components in this product are subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification: No other components in this product are subject to reporting requirements of S.304.

SARA 311/312 Hazards: No components in this product are subject to reporting requirements of S.311/312.

SARA 313 Components: No components in this product are subject to reporting requirements of S.313.

Toxic Substances Control Act (TSCA): Polyurethane (CAS No. 9009-54-5) is not listed on the non-confidential TSCA inventory. TSCA inventory All other components are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

California Candidate Chemicals List: Titanium dioxide (CAS No. 13463-67-7) and C.I. Pigment Black 7 (listed as carbon black) (CAS No. 1333-86-4) are listed on California's Candidate Chemicals List. No other components in this product are listed on the California Candidate Chemicals List.

California Proposition 65 List: Titanium dioxide (CAS No. 13463-67-7) and C.I. Pigment Black 7 (listed as carbon black) (CAS No. 1333-86-4) are listed on the California Proposition 65 List. No other components in this product are listed on the Proposition 65 List.

Maine List of Chemicals of High Concern: Given the product is not considered to be a toy and is not intended for use by children, the List of Chemicals of High Concern is not applicable to the product.

Massachusetts Toxic or Hazardous Substance List: No components in this product are listed on the Toxic or Hazardous Substance List.

Minnesota Chemicals of High Concern List and Priority List: Titanium dioxide (CAS No. 13463-67-7) and C.I. Pigment Black 7 (listed as carbon black) (CAS No. 1333-86-4) are listed on the Chemicals of High Concern and Priority list. No other components in this product are listed on the Chemicals of High Concern and Priority list.

New Jersey Right to Know Hazardous Substance List: Titanium dioxide (CAS No. 13463-67-7), C.I. Pigment Black 7 (listed as carbon black) (CAS No. 1333-86-4), and Pigment Red 101 (CAS No. 1309-37-1) are listed on the Right to Know Hazardous Substance List. No other components in this product are listed on the Right to Know Hazardous Substance List.

Pennsylvania Hazardous Substance List: Titanium dioxide (CAS No. 13463-67-7), diethylene glycol (ethanol, 2,2'-oxybis-) (CAS No. 111-46-6), C.I. Pigment Black 7 (listed as carbon black) (CAS No. 1333-86-4), and Pigment Red 101 (CAS No. 1309-37-1) are listed on the Hazardous Substance List. No other components in this product are listed on the Hazardous Substance List.

Vermont Chemicals of High Concern to Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern to Children list is not applicable to the product.

Washington Chemicals of High Concern to Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern to Children list is not applicable to the product.

Canada

CEPA DSL/NDSL: Polyurethane (CAS No. 9009-54-5) is not listed on the DSL/NDSL. All other components are listed on the DSL/NDSL or are exempt from DSL/NDSL requirements

International:

IARC: Titanium dioxide (CAS No. 13463-67-7) and C.I. Pigment Black 7 (listed as carbon black) (CAS No. 1333-86-4) are listed as Group 2B, possibly carcinogenic to humans. No other components in this product are classified with respect to carcinogenicity. Pigment Red 101 [listed as ferric oxide (CAS No.1309-37-1)] is classified as Group 3, not classifiable as to its carcinogenicity to humans. No other components in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3 – Composition / Information on Ingredients**.

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American conference of Governmental Hygienists	OSHA: Occupational Safety and Health Administration
ATE: Acute Toxicity Estimate	PAH: Polycyclic aromatic hydrocarbons
CAA: Clean Air Act	PBT: Persistent, Bioaccumulative and Toxic
CAS: Chemical Abstract Service Number	PEL: Permissible Exposure Level
CERCLA: Comprehensive Environmental Response and Liability Act	PPE: Personal Protective Equipment
CWA: Clean Water Act	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration	REL: Recommended exposure level
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	TLV: Threshold limit value
HEPA: High Efficiency Particulate Air	TSCA: Toxic Substances Control Act
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IBC: International Bulk Chemical	UN: United Nations
MARPOL: Maritime Pollution	vPvB: very Persistent, very Bioaccumulative
NIOSH: National Institute for Occupational Safety & Health	WHMIS: Workplace Hazardous Materials Information System

References:

ECHA (European Chemicals Agency). 2022. REACH Registered Substances Database.

<https://echa.europa.eu/search-for-chemicals>

IARC (International Agency for Research on Cancer). 2022. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2022. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.

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