

# DANIEL SMITH WATERCOLOR GROUND

## SAFETY DATA SHEET (SDS)

**Version:** 01

**Date of Issue:** November 28, 2022

**According to:** Article 18(3)(a) of Regulation  
**to:** (EC) No 1272/2008

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

**Product Name:** Daniel Smith Watercolor Ground

**Product Size:** 4 fl. oz, 16 fl. oz

**Other Means of Identification**

**Unique Formula Identifier:** Not required as the product is non-hazardous

**Other:** Reference Number (284055XXX)

**Product Description:** Colored liquid formulations intended to be applied with a brush.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**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 Identification:**

Daniel Smith Inc  
4150 1st Avenue South  
Seattle, WA 98134

**Telephone:** 206-812-5877 x433

**Email:** Ron.harmon@danielsmith.com

**Web Site:** <https://danielsmith.com/>

#### 1.4 Emergency Information

**Emergency telephone number:**

CHEMTREC: +1 (800) 424-9300 (within the US) or +1 (703) 527-3887 (outside the US)

**Poisons Information Centre:**

+33 (01) 45 42 59 59 [ORFILA (INRS)] - France

+46 104566750 Sweden

### SECTION 2 – HAZARD IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**According to Regulation (EC) No 1272/2008:**

	Health	Environmental	Physical
<b>Classification(s)</b>	Not Classified	Not Classified	Not Classified
<b>SCL and/or M-factor</b>	N/A	N/A	N/A
<b>Classification Procedure</b>	N/A	N/A	N/A

N/A – not applicable/available

## 2.2. Label elements

**Label Pictogram:** None

**Signal Word:** None

**Hazard Statement:** None

**Precautionary Statement:** None

**Supplemental Hazard Information:** The label on the packaging of liquid mixtures containing 1 % or more of titanium dioxide particles with aerodynamic diameter equal to or below 10 µm shall bear the following statement: "EUH 211: 'Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist'".

## 2.3. Other hazards

- This product is not expected to be endocrine disrupting
- No other hazards have been identified for this product

# SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

## 3.1 Substances

The product is a mixture and not a substance.

## 3.2 Mixtures

Chemical Name	CAS No.	EC No. (EINECS/ELINCS)	% Concentration <sup>a</sup>	GHS Hazards
Titanium dioxide	13463-67-7	236-675-5	up to 15%	H351: Carc 2; (inhalation)

<sup>a</sup> Concentrations are calculated as a maximum across all products, rather than by color.

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

Titanium dioxide (CAS No. 13463-67-7) is formally classified by Regulation (EC) No 1272/2008 (CLP Regulation) as a Category 2 carcinogen (via inhalation when in powder form containing 1% or more of particles with aerodynamic diameter ≤ 10 µm). Classification is not warranted based the nature of the product (i.e., liquid); however, the label on the packaging of liquid mixtures containing 1 % or more of titanium dioxide particles with aerodynamic diameter equal to or below 10 µm shall bear the following statement: "EUH 211: 'Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist'".

	Specific Concentration Limit	Multiplying-Factor	Acute Toxicity Estimate
Daniel Smith Watercolor Grounds	N/A	1	>2000 mg/kg (oral/dermal) >20 mg/L (inhalation)

# 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 media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

**Unsuitable extinguishing media:** None known.

#### **5.2 Special hazards arising from the substance or mixture**

Not considered flammable. However, may burn if exposed to extreme heat and flame. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; Metal oxides.

#### **5.3 Advice for firefighters**

**Protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**Special fire-fighting procedures:** Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak. Wear appropriate protective equipment. Restrict access to area until completion of clean-up.

#### **6.2 Environmental precautions**

Avoid release to the environment. Prevent product from entering drains, sewers, waterways and soil.

#### **6.3 Methods and material for containment and cleaning up**

Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Vacuum or sweep up spilled material using a method that does not generate airborne dust. Keep in properly labelled containers. Contact the proper local authorities.

#### **6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

## SECTION 7 – HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Provide adequate ventilation. Wear suitable protective equipment during handling. Wear respiratory protection. Avoid breathing dust, fumes or vapors. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep containers tightly closed when not in use. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool/well-ventilated place. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Keep away from incompatibles. Store away from incompatible materials (see Section 10 of the SDS).

### 7.3 Specific end use(s)

Artistic Painting.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control Parameters

#### Exposure limit values

Chemical Name	CAS No.	ACGIH TLV TWA	OSHA PEL TWA	NIOSH REL TWA	DFG MAK
Silica colloidal	112926-00-8	N/A	N/A	6 mg/m <sup>3</sup>	N/A
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> *	N/A	0.3 mg/m <sup>3</sup> R
N/A	Not available		****	Multiplied with the material density	
*	Total dust		I	Measured as inhalable fraction of the aerosol	
**	Respirable fraction				
***	Can also occur as vapor and aerosol		R	Measured as respirable fraction of the aerosol	

### 8.2 Exposure Controls

#### Ventilation and engineering measures

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

#### Respiratory protection

None required under normal conditions.

#### Skin protection

None required under normal conditions. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

#### Eye / face protection

None required under normal conditions.

#### Other protective equipment

Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

#### General hygiene considerations

Avoid breathing dust, fumes or vapors. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing should not be allowed out of the workplace.

### 8.3 Environmental exposure controls

Avoid release to the environment.

## 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.

<b>Appearance:</b> Physical state: Color: Odor/Odor threshold:	Liquid Various Slight Amine Odor	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not Applicable
pH (as supplied):	9.3	Decomposition temperature:	Not Applicable
Melting/freezing point:	< 0 @ 760mm Hg	Dynamic viscosity:	93 Krebs unit
Boiling point/range:	>100 @ 760mm Hg	Molecular weight:	Mixture
Flash point:	Not Applicable	Taste:	Not Applicable
Evaporation rate:	Slower than Water	Explosive properties:	None
Flammability:	Not Flammable	Oxidizing properties:	None
Upper/lower explosive limits:	Not Applicable	Surface tension:	As Water
Vapor pressure:	Not Applicable	Volatile component:	Water
Water solubility:	Soluble	Gas group:	Not Applicable
Vapor density (Air = 1):	As Water	pH (as solution):	9.3
Specific gravity (Water = 1):	0.9-1.1	VOC:	26 grams/liter
Relative density:	0.9-1.1	Particle size range:	30-60 microns

### 9.2.1 Information with Regard to Physical Hazard Classes

<b>Explosives</b>	Not available
<b>Flammable gases</b>	Not available
<b>Aerosols</b>	Not available
<b>Oxidising gases</b>	Not available
<b>Gases under pressure</b>	Not available
<b>Flammable liquids</b>	Not Flammable
<b>Flammable solids</b>	Not available
<b>Self-reactive substances and mixtures</b>	Not available
<b>Pyrophoric liquids</b>	Not available
<b>Pyrophoric solids</b>	Not available
<b>Self-heating substances and mixtures</b>	Not available
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Not available
<b>Oxidising liquids</b>	Not available
<b>Oxidizing solids</b>	Not available
<b>Organic peroxides</b>	Not available
<b>Corrosive to metals</b>	Not available
<b>Desensitised explosives</b>	Not available

### 9.2.2 Other Safety Characteristics

<b>Mechanical sensitivity</b>	Not available
<b>Self-accelerating polymerisation temperature</b>	Not available
<b>Formation of explosible dust/air mixtures</b>	Not available
<b>Acid/alkaline reserve; (e) evaporation rate</b>	Not available
<b>Miscibility</b>	Not available
<b>Conductivity</b>	Not available

<b>Corrosiveness</b>	Not available
<b>Gas group</b>	Not available
<b>Redox potential</b>	Not available
<b>Radical formation potential</b>	Not available
<b>Photocatalytic properties</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

- 10.1 Reactivity:** Not normally reactive.
- 10.2 Chemical stability:** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** Hazardous polymerization does not occur.
- 10.4 Conditions to avoid:** Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
- 10.5 Incompatibility:** Strong oxidizing agents.
- 10.6 Hazardous decomposition products:** None known. In the event of fire the following can be released: Carbon oxides; Metal oxides.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes:

**Likely routes of exposure:** Skin contact.

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

- Acute oral toxicity:** The product is practically non-toxic based on available animal and human use data. ATE >2000 mg/kg
- Acute dermal toxicity:** The product is practically non-toxic based on available animal and human use data. ATE >2000 mg/kg
- Acute inhalation toxicity:** The product is practically nontoxic based on available animal and human use data.
- Skin corrosion/irritation:** The components of this product at >1% are not skin irritants based on human and/or animal studies.
- Serious eye damage/irritation:** The components of this product at >1% are not eye irritants based on human and/or animal studies.
- Respiratory or skin sensitization:** The components in this product at >0.1% are not sensitizing to the skin based on human and/or animal studies.
- Mutagenicity:** The components in the product at >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.
- Carcinogenicity:** Titanium dioxide (CAS No. 13463-67-7) is formally classified by Regulation (EC) No 1272/2008 (CLP Regulation) as a Category 2 carcinogen (via inhalation when in powder form containing 1% or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ); however, the label on the packaging of liquid mixtures containing 1 % or more of titanium dioxide particles with aerodynamic diameter equal to or below  $10 \mu\text{m}$  shall bear the following statement: “EUH 211: ‘Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist’”. The other components in the product at >0.1% are not

	carcinogenic based on animal studies or no data identified for the components in this product.
<b>Reproductive Toxicity:</b>	The components in the product at >0.1% are not reproductive toxicants based on animal studies or no data identified for the components in this product.
<b>Specific target organ toxicity (single exposure):</b>	The components in the product at >1% are not specific target organ toxicity (single exposure) toxicants based on animal studies or no data identified for the components in this product.
<b>Specific target organ toxicity (repeated exposure):</b>	The components in the product at >1% are not specific target organ toxicity (repeated exposure) toxicants based on animal studies or no data identified for the components in this product.
<b>Aspiration hazard:</b>	The components in the product at >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

- This product is not expected to be endocrine disrupting

### 11.2.2 Information on other hazards

- No other hazards to note.

#### 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: Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008. <http://data.europa.eu/eli/reg/2008/1272/2022-03-01>  
U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicity

The product contains no substances which are considered hazardous for the environment: Classification Thresholds are not met.

### 12.2 Persistence and biodegradability

The product itself has not been tested.

### 12.3 Bioaccumulation potential

The product itself has not been tested.

### 12.4 Mobility in soil:

The product itself has not been tested.

### 12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 12.6 Endocrine disrupting properties

None known or reported by the manufacturer.

### 12.7 Other Adverse Environmental effects

The product itself has not been tested.

## 12.8 Additional information

None known.

### References:

ECHA (European Chemicals Agency). 2022. REACH Registered Substances Database.  
<https://echa.europa.eu/search-for-chemicals>

## 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 is not expected to 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 Maritime transport in bulk according to IMO instruments	Not applicable



## SECTION 15 – REGULATORY INFORMATION

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

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

#### European Union

**Seveso Directive (2012/18/EU):** Methanol (CAS No. 67-56-1) is listed with restrictions of 500 tonnes (lower tier) and 5000 tonnes (upper tier). No other components in this product are listed.

**Regulation (EC) No. 1005/2009, Annex I and II:** No components in this product are listed.

**Regulation (EU) No 649/2012, Annex I, Parts I-III:** No components in this product are listed.

**Regulation (EU) 2019/1021, Annex I:** No components in this product are listed.

#### Germany:

**Wassergefährdungsklasse (water hazard class):** WGK 1

#### International:

**IARC:** Silica, crystalline (listed as Silica dust, crystalline, in the form of quartz or cristobalite) (CAS No. 14808-60-7), cadmium, nickel and arsenic are listed in Group 1, carcinogenic to humans. Titanium dioxide (CAS No. 13463-67-7), cobalt (listed as cobalt metal), and lead, are listed in Group 2B, possibly carcinogenic to humans. Amorphous silica (CAS No. 7631-86-9), mercury, chromium VI, and ferric oxide (CAS No. 1309-37-1) are listed in Group 3, not classifiable as to its carcinogenicity to humans. No other components of this product are classified with respect to carcinogenicity.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out by the Manufacturer of this product.

## SECTION 16 – OTHER INFORMATION

### Acronyms and abbreviations that may have been used in this document:

ACGIH: American conference of Governmental Hygienists	PBT: Persistent, Bioaccumulative and Toxic
ATE: Acute Toxicity Estimate	PEL: Permissible Exposure Level
CAS: Chemical Abstract Service Number	PPE: Personal Protective Equipment
Carc.: Carcinogenicity	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CLP: Classification, Labelling and Packaging Regulation (EC) No. 1272/2008	REL: Recommended exposure level
DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration	Repr.: Reproductive toxicity
EC: European Commission	SDS: Safety Data Sheet
ECHA: European Chemicals Agency	STOT RE: Specific target organ toxicity (repeated exposure)
GHS: Global Harmonized System	TLV: Threshold limit value
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IMO: International Maritime Organization	UN: United Nations
NIOSH: National Institute for Occupational Safety & Health	vPvB: very Persistent, very Bioaccumulative
NTP: National Toxicology Program	WGK: Wassergefährdungsklasse
OSHA: Occupational Safety and Health Administration	

#### **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: Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008. <http://data.europa.eu/eli/reg/2008/1272/2022-03-01>  
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 a new safety data sheet.

**Creation Date:** November 28, 2022

**The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.**