

DANIEL SMITH WATERCOLOR GROUND

SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: July 12, 2024

According to: OSHA Hazard Communication Standard
29 CFR 1910.1200(g) Rev. 2012

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

1.1 Product identifier

Product Name: Daniel Smith Watercolor Ground
Product Size: 4 fl. oz, 16 fl. oz
Product Description: Cleaning solution for use on phone screens.

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: 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 telephone number

Emergency telephone number:

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

Poisons Information Centre:

Emergency Telephone: Contact national poison control centre (+1-800-222-1222).

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to the OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012 and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 10th Revised Edition:

Physical	Health	Environmental
Not classified	Not classified	Not classified

2.2. Label elements

Label Pictogram: None required.
Signal Word: None required.
GHS Hazard statements: None required.
GHS Precautionary statements: None required.

2.3. Other hazards

Other hazards: None known.

Section 3 – Composition / Information on Ingredients

3.1. Substance

The product is a mixture and not a substance

3.2. Mixture

Chemical Name	CAS No.	EINECS No.	% Weight ^a	GHS Hazards
Titanium dioxide	13463-67-7	236-675-5	up to 15%	H351: Carcinogenicity 2; (inhalation)

^a Concentrations are calculated as a maximum across all products, rather than by color.

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.

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 flush eyes with water. Seek medical attention if in doubt.
- Skin contact:** No specific first aid measures are required. Seek medical attention if in doubt.
- Inhalation:** 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

Treat symptomatically. 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: Irritating vapors or fumes may form if product is involved in fire. See also **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Use standard firefighting procedures and consider the hazards of other materials involved in the fire. Evacuate personnel to safe areas. Move containers from fire area if safe to do so.

Section 6 – Accidental Release Measures

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

Personal Precautions: Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink, or smoke when using this product. Observe PPE advice in **Section 8 – Exposure Controls/Personal Protection**.

Emergency Procedures: Not available

6.2 Environmental precautions

Avoid dispersal of spilled material. Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities.

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 disposal. 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

Avoid breathing dust/fume/gas/mist/vapours/spray. Do not handle until all safety precautions have been read and understood. Wash hands/skin thoroughly after handling.

Refer to **Section 8.3 - Exposure Controls/Personal Protection**

7.2 Conditions for safe storage, including any incompatibilities

Store in a closed suitable container in a cool, dry, well-ventilated area.

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: Airborne/respirable chemicals are not foreseeable under conditions of normal use. See **Section 1 - Identification of the Substance/Mixture and of the Company/Undertaking** for additional information.

Chemical Name	CAS No.	ACGIH TLVs TWA	OSHA PELs TWA	NIOSH RELs TWA	DFG MAK TWA
Titanium dioxide	13463-67-7	10 mg/m ³	15 mg/m ³ *	N/A	0.3 mg/m ³ R

N/A Not available
* Total dust

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/Odor threshold:	Liquid Various Slight Amine Odor	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not available Not available
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 Other information

No further data available.

Section 10 – Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

10.5 Incompatible materials

Strong acids.
Strong bases.
Strong oxidizing agents.
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 toxicological effects

Likely routes of exposure: Accidental ingestion, skin/eye contact.

Potential signs and symptoms: None expected for acute exposure.

Acute oral toxicity:	The product is 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 >2000 mg/kg
Acute inhalation toxicity:	The product is practically nontoxic based on available animal and human use data.
Skin corrosion/irritation:	The ingredients in this product at >1% are not skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	The ingredients in this product at >1% are not eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	The ingredients in this product at >0.1% are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The ingredients in this product are not classified with respect to mutagenicity by the IARC, NTP, and ACGIH.
Carcinogenicity:	Titanium dioxide is listed as a carcinogen by NTP and ACGIH; however, product classification is not warranted based on the nature of the product. Quartz (CAS No. 14808-60-7) and silica (CAS No. 7631-86-9) [listed as silica, crystalline (respirable size)] is listed as a carcinogen by NTP; however, product classification is not warranted based on the nature of the product. The other ingredients in the product >0.1% are not carcinogenic based on animal studies or the IARC, NTP, and ACGIH.
Reproductive Toxicity:	The ingredients are not reproductive hazards based on the concentration in the product, available information, human and/or animal studies.
Specific target organ toxicity (single exposure):	The ingredients in this product are not single exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Specific target organ toxicity (repeated exposure):	The ingredients in this product are not single exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Aspiration hazard:	The ingredients in this product are not aspiration hazards based on available information, human and/or animal studies.

References:

ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>
IARC (International Agency for Research on Cancer). 2024. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>
NTP (National Toxicology Program). 2021. 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/roc15>

Section 12 – Ecological Information

12.1 Toxicity

The product is not expected to be toxic to the aquatic environment (acute and chronic).

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 Other adverse effects

No further data available

References:

ECHA (European Chemicals Agency). 2024. 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. Review classification requirements before shipping materials at elevated temperatures.

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
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): Disodium phosphate (CAS No. 7558-79-4) has a reportable quantity of 5,000 lbs under CERCLA and ammonium hydroxide (CAS No. 1336-21-6) has a reportable quantity of 1,000 lbs under CERCLA. The other ingredients in the product >0.1% are not subject to reporting under CERCLA.

Clean Water Act (CWA): Ammonium hydroxide (CAS No. 1336-21-6) is regulated as a pollutant. The other ingredients in this product >0.1% are not listed as toxic pollutants.

Clean Air Act (CAA): The ingredients in the product are not listed under the CAA.

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

SARA 302 Components: The ingredients in this product are not subject to reporting requirements of S.302.

SARA 311/312 Hazards: No SARA Hazards

SARA 313 Components: Ammonium hydroxide (CAS No. 1336-21-6) and aluminum oxide [listed as aluminum oxide (fibrous forms)] (CAS No. 1344-28-1) are subject to reporting under S.313 of the Pollution Prevention Act. The other ingredients in this product >0.1% are not subject to reporting under S.313 of the Pollution Prevention Act.

Toxic Substances Control Act (TSCA): Silica colloidal (CAS No. 112926-00-8), mica group minerals and (CAS No. 12001-26-2) are not listed on the non-confidential TSCA inventory. The other ingredients in the product >0.1% are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

California Proposition 65 List: Titanium dioxide (CAS No. 13463-67-7) [listed as titanium dioxide (airborne, unbound particles of respirable size)] and silica (CAS No. 7631-86-9) [listed as silica, crystalline (airborne particles of respirable size)] are listed on the California Proposition 65 List as chemicals known to the State of California to cause cancer; however, given the nature/physical form of the product (*i.e.*, liquid paint), significant levels of airborne respirable particles would not likely be released from this product and therefore the listed forms of titanium dioxide and silica are not relevant for the product. Methanol (CAS No. 67-56-1) is listed on the California Proposition 65 List as a chemical known to the State of California to cause developmental toxicity. The product contains arsenic (As) (CAS No. 7440-38-2), cadmium (Cd) (CAS No. 7440-43-9), chromium VI (Cr⁶⁺) (CAS No. 7440-47-3), cobalt (Co) (CAS No. 7440-48-4), lead (Pb) (CAS No. 7439-92-1), mercury (Hg) (CAS No. 7439-97-6) and nickel (Ni) (CAS No. 7440-02-0) present as trace impurities and are known to the State of California to cause cancer and birth defects or other reproductive harm. The other ingredients in the product are not listed on the California Proposition 65 list.

International:

IARC: Silica, crystalline (listed as silica dust, crystalline, in the form of quartz or cristobalite) (CAS No. 14808-60-7), cadmium (CAS No. 7440-43-9), nickel (CAS No. 7440-02-0) and arsenic (CAS No. 7440-38-2) are listed in Group 1, carcinogenic to humans. Titanium dioxide (CAS No. 13463-67-7), cobalt (CAS No. 7440-48-4) (listed as cobalt metal), and lead (CAS No. 7439-92-1), are listed in Group 2B, possibly carcinogenic to humans. Amorphous silica (CAS No. 7631-86-9), mercury (CAS No. 7439-97-6), chromium VI (CAS No. 7440-47-3), and ferric oxide (CAS No. 1309-37-1) are listed in Group 3, not classifiable as to its carcinogenicity to humans. The other ingredients in the product are not classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

None available for the ingredients in this product

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists	MARPOL: Maritime Pollution
ATE: Acute toxicity estimate	NTP: National Toxicology Program
CAA: Clean Air Act	OSHA: Occupational Safety and Health Administration
CAS: Chemical Abstract Service Number	PBT: Persistent, Bioaccumulative and Toxic
CERCLA: Comprehensive Environmental Response and Liability Act	PPE: Personal Protective Equipment

CWA: Clean Water Act	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
EINECS: European Inventory of Existing Chemical Substances	TSCA: Toxic Substances Control Act
GHS: Global Harmonized System	TWA: Time Weighted Average (8-hour)
IBC: International Bulk Chemical	UN: United Nations
IARC: International Agency for Research on Cancer	vPvB: very Persistent, very Bioaccumulative

References:

ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database.

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

IARC (International Agency for Research on Cancer). 2024. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2021. 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/roc15>

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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