Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 02.18.2020

Revision date: 03.03.2025

Water Based Paint

SECTION 1: Identification

Product Identifier

Product Name: Water Based Paint

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Finishes, Coatings, and other Related Materials

Uses Advised Against: For Professional Use Only

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:

United States

Canlak Coatings
1999 Elizabeth Street
North Brunswick, New Jersey 089026316
(732)821-3200
https://canlakcoatings.com

Emergency Telephone Number:

United States

CHEMTREC
(703)527-3887 (24 HRS)
(800)424-9300

SECTION 2: Hazard(s) Identification

GHS Classification:

Eye irritation, category 2A

Label elements

Hazard Pictograms:

Signal Word: Warning

Hazard statements:

H319 Causes serious eye irritation

Precautionary Statements:

P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 If eye irritation persists: Get medical advice/attention

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Water Based Paint

Identification	Name	Weight %
CAS Number: 13463-67-7	Titanium Dioxide	<35
CAS Number: 1309-37-1	Diiron trioxide	<5
CAS Number: 57-55-6	Propane-1,2-diol	3-6
CAS Number: 1333-86-4	Bound Carbon Black	<3.5

Additional Information: None

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

Immediate Medical Attention and Special Treatment

Specific Treatment:

Not determined or not applicable.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Water Based Paint

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Titanium Dioxide	13463-67-7	TLV-TWA: 2.5 mg/m³ (8 hr [finescale particles, respirable fraction])
	Diiron trioxide	1309-37-1	8-Hour TWA: 5 mg/m³ (respirable particulate matter)
	Titanium Dioxide	13463-67-7	TLV-TWA: 0.2 mg/m³ (8 hr [nanoscale particles, respirable fraction])
	Bound Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m³ (inhalable particulate matter)
OSHA	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 15 mg/m³ (total dust)
	Diiron trioxide	1309-37-1	8-Hour TWA-PEL: 10 mg/m³ (fume)
	Bound Carbon Black	1333-86-4	8-Hour TWA-PEL: 3.5 mg/m³
NIOSH	Titanium Dioxide	13463-67-7	TWA: 0.3 mg/m³ (ultrafine, including engineered nanoscale)
	Diiron trioxide	1309-37-1	REL-TWA: 5 mg/m³ (up to 10 hrs. [dust and fume, as Fe])
	Diiron trioxide	1309-37-1	IDLH: 2500 mg/m³ (fume)
	Titanium Dioxide	13463-67-7	IDLH: 5000 mg/m³
	Bound Carbon Black	1333-86-4	IDLH: 1750 mg/m³
	Bound Carbon Black	1333-86-4	REL-TWA: 0.1 mg/m³ (in the presence of polycyclic aromatic hydrocarbons [up to 10 hr])
	Bound Carbon Black	1333-86-4	REL-TWA: 3.5 mg/m³ (up to 10 hr)
	Titanium Dioxide	13463-67-7	TWA: 2.4 mg/m³ (fine)
United States(California)	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 10 mg/m³ (particles not otherwise regulated, total dust)
	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 5 mg/m³ (particles not otherwise regulated, respirable fraction)
	Bound Carbon Black	1333-86-4	8-Hour TWA-PEL: 3.5 mg/m³
	Diiron trioxide	1309-37-1	8-Hour TWA-PEL: 5 mg/m³ (fume)
WEEL	Propane-1,2-diol	57-55-6	8-Hour TWA: 10 mg/m³

Biological Limit Values:

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

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Various colors, liquid
Odor	Mild amine
Odor threshold	N/A
pH	7.5 - 9
Melting point/freezing point	N/A
Initial boiling point/range	>93C
Flash point (closed cup)	>93C
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper flammability/explosive limit	N/A
Lower flammability/explosive limit	N/A
Vapor pressure	N/A
Vapor density	N/A
Density	8.68 +/- 0.2 Lbs./Gal.
Relative density	1.04 +/- 0.03
Solubilities	Dispersible in water
Partition coefficient (n-octanol/water)	N/A
Auto/Self-ignition temperature	N/A
Decomposition temperature	N/A
Dynamic viscosity	N/A
Kinematic viscosity	N/A
Explosive properties	N/A

Oxidizing properties	N/A

Other Information

VOC g/l less water	< 275 g/l less water

SECTION 10: Stability and Reactivity

Reactivity:
Not reactive under recommended handling and storage conditions.

Chemical Stability:
Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:
Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:
Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:
None known.

Hazardous Decomposition Products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Route	Result
Titanium Dioxide	oral	LD50 Rat: > 5000 mg/kg
	inhalation	LC50 Rat: 5.09 mg/L (4 hr [aerosol])
	dermal	LD50 Rat: > 2000 mg/kg
Diiron trioxide	oral	LD50 Rat: > 5000 mg/kg
	inhalation	LC50 Rat: 5.05 mg/L (4 hr [Aerosol])
Propane-1,2-diol	oral	LD50 Rat: 22,000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rabbit: > 44.9 mg/L (4hr [vapour])
Bound Carbon Black	oral	LD50 Rat: > 2000 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
	inhalation	LC50 Rat: >= 4.6 mg/L (4 hr [dust])

Skin Corrosion/Irritation

Assessment: Based on available data, the classification criteria are not met.

Product Data:
No data available.

Substance Data: No data available.

Serious Eye Damage/Irritation

Assessment:
Causes serious eye irritation.

Product Data:
No data available.
Substance Data: No data available.

Respiratory or Skin Sensitization
Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Carcinogenicity
Assessment: Based on available data, the classification criteria are not met.
Product Data: No data available.
Substance Data:

Name	Species	Result
Bound Carbon Black	Not applicable.	The carcinogenic classification only applies to airborne, unbound particles of respirable size.

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Dioxide	Group 2B
Diiron trioxide	Group 3
Bound Carbon Black	Group 2B
Propane-1,2-diol	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Titanium Dioxide	Not Applicable
Bound Carbon Black	Not Applicable
Diiron trioxide	Not Applicable
Propane-1,2-diol	Not Applicable

OSHA Carcinogens:

Ingredient Name	CAS	OSHA Carcinogens Status
Titanium Dioxide	13463-67-7	Yes

Germ Cell Mutagenicity
Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Reproductive Toxicity
Assessment: Based on available data, the classification criteria are not met.
Product Data:
No data available.
Substance Data: No data available.

Specific Target Organ Toxicity (Single Exposure)
Assessment: Based on available data, the classification criteria are not met.
Product Data:

No data available.

Substance Data: No data available.

Specific Target Organ Toxicity (Repeated Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Information on Likely Routes of Exposure:

No data available.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Propane-1,2-diol	Fish LC50 Oncorhynchus mykiss: 51,600 mg/L (96 hr)
	Aquatic Plants EC50 Raphidocelis subcapitata: 19000 mg/L (96 hr [growth rate])
	Aquatic Invertebrates EC50 Daphnia magna: 43,500 mg/L (48 hr [Immobilisation])
Titanium Dioxide	Aquatic Invertebrates EC50 Daphnia magna: > 100 mg/L (48 hr [moblity])
	Aquatic Plants EC50 Raphidocelis subcapitata: >100 mg/L (72 hr [growth rate])
	Fish LC50 Pimephales promelas: >1000 mg/L (96 hr)
Bound Carbon Black	Fish LC50 Danio rerio: > 1000 mg/L (96 hr [mortality])
	Aquatic Plants EC50 Raphidocelis subcapitata: > 100 mg/L (72 hr [growth rate and cell number])
	Aquatic Invertebrates EC50 Daphnia magna: >100 mg/L (48 hr [immobilisation and toxicity])
Diiron trioxide	Aquatic Invertebrates EC50 Daphnia magna: >100 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: >= 20 mg/L (72 hr [growth rate])
	Fish LC50 Danio rerio: >= 10,000 mg/L (96 hr)

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Diiron trioxide	Aquatic Invertebrates NOEC Daphnia magna: >= 20 mg/L (21 d [reproduction])
Titanium Dioxide	Aquatic Invertebrates NOEC Daphnia magna: >= 10 mg/L (21 d [population and growth rate])
	Fish NOEC Freshwater fish: >= 80 mg/L (6 d [time to hatch])
Propane-1,2-diol	Aquatic Invertebrates NOEC Ceriodaphnia sp.: 13,020 mg/L (7 d [reproduction])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Titanium Dioxide	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.
Diiron trioxide	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.
Propane-1,2-diol	The substance is readily biodegradable. 81.7% degradation in water, measured by CO2 evolution, after 28 days.
Bound Carbon Black	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Titanium Dioxide	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.
Diiron trioxide	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.
Propane-1,2-diol	The substance is not expected to bioaccumulate (BCF: 0.09).
Bound Carbon Black	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
Titanium Dioxide	Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.
Diiron trioxide	Mobility in soil assessment not applicable for inorganic compounds such as this substance.
Propane-1,2-diol	The substance is highly mobile, therefore, adsorption to soil and sediment is not expected (calculated Koc: 2.9).
Bound Carbon Black	Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.
vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

Bound Carbon Black	PBT assessment does not apply to inorganic compounds such as this substance.
Diiron trioxide	PBT assessment does not apply to inorganic compounds such as this substance.
Titanium Dioxide	PBT assessment does not apply to inorganic compounds such as this substance.
Propane-1,2-diol	The substance is not PBT.

vPvB assessment:

Bound Carbon Black	vPvB assessment does not apply to inorganic compounds such as this substance.
Diiron trioxide	vPvB assessment does not apply to inorganic compounds such as this substance.
Titanium Dioxide	vPvB assessment does not apply to inorganic compounds such as this substance.
Propane-1,2-diol	The substance is not vPvB.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

Do not dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. Dispose of in accordance with local, state, and federal laws and regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not Regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	Not Regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None

Special Precautions for User	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not Regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export Notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.

SARA Section 313 Toxic Chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

13463-67-7	Titanium Dioxide	Listed
1309-37-1	Diiron trioxide	Listed
1333-86-4	Bound Carbon Black	Listed

New Jersey Right to Know:

13463-67-7	Titanium Dioxide	Listed
1309-37-1	Diiron trioxide	Listed
1333-86-4	Bound Carbon Black	Listed
57-55-6	Propane-1,2-diol	Listed

New York Right to Know:

13463-67-7	Titanium Dioxide	Listed
1309-37-1	Diiron trioxide	Listed

Pennsylvania Right to Know:

13463-67-7	Titanium Dioxide	Listed
1309-37-1	Diiron trioxide	Listed
1333-86-4	Bound Carbon Black	Listed
57-55-6	Propane-1,2-diol	Listed

California Proposition 65:

⚠**WARNING:** This product can expose you to chemicals including Titanium dioxide (airborne, unbound particles of respirable size) and Formaldehyde which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

⚠**WARNING:** This product can expose you to Ethylene oxide; which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to

www.P65Warnings.ca.gov.

Additional information: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Absolute Coatings assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Absolute Coatings assumes no responsibility for injury to vendor or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

NFPA: 1-1-0

HMIS: 1-1-0

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End of Safety Data Sheet