

#### 1. Identification

<b>Product identifier</b>	WATERBORNE PAINT – WHITE OR YELLOW
<b>Synonyms</b>	Road Marking Paint, Traffic Marking Paint
<b>Recommended use</b>	Traffic Marking
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Supplier</b>	Ingevity Corporation 5255 Virginia Avenue North Charleston, South Carolina 29436
<b>For Product Information Call:</b>	+1 843 740 2300
<b>For emergencies only. Call CHEMTREC:</b>	1-800-424-9300
<b>Manufacturer/Supplier</b>	Ingevity Corporation

#### 2. Hazard(s) Identification

<b>Physical hazards</b>	None known	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 3
	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 4
	Carcinogenicity	Category 4
	Specific target organ toxicity, single exposure (lungs, liver, kidney, central nervous system)	Category 4
	Specific target organ toxicity, repeated exposure (lungs)	Category 4

#### Label elements



<b>Signal word</b>	Warning
<b>Hazard statement</b>	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation H413: May cause long-lasting harmful effects to aquatic life

#### Precautionary statement

##### Prevention

P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.  
 P264: Wash face, hands and any exposed skin thoroughly after handling  
 P270: Do not eat, drink or smoke when using this product.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P501: Dispose of contents/container in accordance with local regulations.

##### Response

P301+310: **IF SWALLOWED:** Immediately call a POISON CENTER/Medical Attention  
 P331: Do NOT induce vomiting.  
 P303+361+353: **IF ON SKIN** (or hair): Take off immediately all contaminated clothing  
 Rinse skin with water [or shower]  
 P304+340: **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338: **IF IN EYES:** Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+313: IF exposed or concerned: Get medical advice/attention.

<b>Storage</b>	P405: Store locked up P403: Store in a well ventilated place. P233: Keep container tightly closed
<b>Disposal</b>	P501: Dispose of contents/container in accordance with local regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	This product contains crystalline silica (quartz) as an impurity. This product contains Calcium carbonate (CAS 1317-65-3) and Titanium dioxide (CAS 13463-67-7) in a <b>Non-Respirable dust form</b> .

### 3. Composition/Information on Ingredients

#### Mixtures

Chemical name	CAS Number	Percentage
Calcium carbonate ( <i>non-respirable</i> )	1317-65-3	50 - 70
Titanium dioxide ( <i>non-respirable</i> )	13463-67-7	2 -10
Methanol	67-56-1	0 - 7
Propylene glycol	57-55-6	0 - 4
Aqua ammonia	1336-21-6	0 - <1
Quartz ( <i>non-respirable</i> )	14808-60-7	0.07-0.3
<b>Non-Hazardous Pigments</b>		
Organic Yellow	-----	1-5

The criteria for listing components in the composition are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to section 15 for applicable states right-to-know and other regulatory information.

### 4. First-Aid Measures

<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with plenty of water. Remove & wash contaminated clothing before reuse. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	The most important known symptoms and effects are described in the labelling (see Section 2 and/or in Section 11) .
<b>Indication of immediate medical attention &amp; special treatment needed</b>	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

### 5. Fire-Fighting Measures

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Combustion products may include and are not limited to Carbon oxides (COx), Nitrogen oxides (NOx).
<b>Special protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental Release Measures

<b>Personal precautions, protective</b>	Use personal protective equipment. Ensure adequate ventilation. Avoid
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**equipment & emergency procedures**  
**Environmental precautions**

contact with skin, eyes and clothing. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal.

**Methods and materials for containment and cleaning up**

**7. Handling and Storage**

**Precautions for safe handling**

Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

**Conditions for safe storage**

Keep container tightly closed. Keep in properly labeled containers. Keep out of the reach of children.

**Incompatible Products:**

Calcium carbonate ignites on contact with fluorine. It is incompatible with aluminum, ammonium salts & mercury + hydrogen. Strong acids. Strong bases. Strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Occupational exposure limits**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Components	Type	Value
Calcium carbonate (CAS#1317-65-3)	PEL(TWA)	15 mg/m3 (total dust), 5 mg/m3 (respirable)
Titanium dioxide (CAS#13463-67-7)	PEL(TWA)	15 mg/m3
Methanol (CAS# 67-56-1)	PEL(TWA)	260 mg/m3
Aqua ammonia (CAS# 1336-21-6)	PEL(TWA)	35 mg/m <sup>3</sup>
Quartz (CAS#14808-60-7)	PEL (TWA)	0.1 mg/m3 (vacated)

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Calcium carbonate (CAS#1317-65-3)	8-hour TWA	15 mg/m3 (total dust), 5 mg/m3 (respirable)
Titanium dioxide (CAS#13463-67-7)	8-hour TWA	15 mg/m3 (total dust)
Methanol (CAS# 67-56-1)	8-hour TWA	260 mg/m3

**US. OSHA Table Z-2 (29 CFR 1910.1000)** None of the components in this product is listed.

**US. OSHA Table Z-3 Mineral dusts (29 CFR 1910.1000)**

Components	Type	Value
Quartz (CAS#14808-60-7)	TWA	10 mg/m3 (respirable) %SiO <sub>2</sub> +2 30 mg/m3 (total dust) %SiO <sub>2</sub> +2

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Titanium dioxide (CAS#13463-67-7)	TLV(TWA)	10 mg/m3 (total dust)
Methanol (CAS# 67-56-1)	TLV(STEL)	250 ppm
Aqua ammonia (CAS# 1336-21-6)	TLV(TWA)/(STEL)	25 ppm/35 ppm
Quartz (CAS#14808-60-7)	TLV(TWA)	0.025 mg/m3 (respirable)

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Calcium carbonate (CAS#1317-65-3)	REL(TWA)	10 mg/m3 (total dust), 5 mg/m3 (respirable)
Methanol (CAS# 67-56-1)	REL(TWA)	260 mg/m3
Aqua ammonia (CAS# 1336-21-6)	REL(TWA)	18 mg/m <sup>3</sup>
Quartz (CAS#14808-60-7)	REL(TWA)	Ca 0.05 mg/m3 (respirable dust)

**Appropriate engineering controls**

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

**Individual protection measures, such as personal protective equipment**



<b>Eye/face protection</b>	Wear protective eyewear (safety glasses).
<b>Skin protection</b>	
<b>Hand protection</b>	Protective gloves.
<b>Other</b>	Impervious clothing. Dispose of contaminated gloves after use in accordance with applicable laws and good work hygiene practices.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

## 9. Physical and Chemical Properties

<b>Appearance</b>	
<b>Physical state</b>	Emulsion
<b>Form</b>	Liquid
<b>Color</b>	White or Yellow
<b>Odor</b>	Slight, Ammonia
<b>Odor threshold</b>	Not Available
<b>pH</b>	Not Available
<b>Melting point/freezing point</b>	Not Available
<b>Initial boiling point and boiling range</b>	Not Available
<b>Flash point</b>	> 201°F (>93.8°C)
<b>Evaporation rate</b>	Not Available
<b>Flammability (solid, gas)</b>	Not flammable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not Available
<b>Flammability limit – upper (%)</b>	Not Available
<b>Explosive limit - lower (%)</b>	Not Available
<b>Explosive limit - upper (%)</b>	Not Available
<b>Vapor pressure</b>	Not Available
<b>Vapor density</b>	Not Available
<b>Relative density (specific gravity)</b>	1.55 - 1.75
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<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

## 10. Stability and Reactivity

<b>Reactivity</b>	Not Available. Hazardous reactions will not occur under normal conditions
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known based on information supplied.

Incompatible materials  
Hazardous decomposition  
Products

Acids, strong oxidizing agents.  
Carbon oxides. Nitrogen oxides (NOx).

## 11. Toxicological Information

### Information on likely routes of exposure

**Ingestion** Harmful if swallowed. May cause blindness if swallowed.  
May cause additional affects as listed under "Inhalation".

**Inhalation** Harmful if inhaled. May cause irritation of respiratory tract and coughing and/or shortness of breath.

**Skin contact** May cause skin irritation.

**Eye contact** Causes serious eye irritation.

### Symptoms related to the physical, chemical & toxicological characteristics

Eye contact: Adverse symptoms may include the following:  
pain or irritation: Watery and Redness

Inhalation: Adverse symptoms may include the following:  
respiratory tract irritation: Coughing

Skin contact: Adverse symptoms may include the following:  
Irritation and Redness

Ingestion: No specific data

**Delayed & immediate effects & also chronic effects from short-and long-term exposure** No specific data

### Numerical measures of toxicity

Components	Test	Species	Test Results
Titanium dioxide (CAS#13463-67-7)	Oral LD50	Rat	>5000 mg/kg
	Inhalation LC50	Rat	>3.43 mg/l
Methanol (CAS#67-56-1)	LDLo Oral	Human	143 mg/kg
	LD50 Dermal	Rabbit	17,100 mg/kg
	LC50 Inhalation	Rat	131.25 mg/l
Propylene Glycol (CAS#57-55-6)	Oral LD50	Rat	22000 mg/kg
Aqua ammonia (CAS# 1336-21-6)	Oral LD50	Rat	350 mg/kg
	LC50	Rat	7338 ppm
	Inhalation		

**Skin corrosion/irritation** No data available.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** No data available.

**Skin sensitization** No data available.

**Germ cell mutagenicity** Not Established

**Carcinogenicity**

### GHS Category 4

**Calcium Carbonate** (CAS 1317-65-3): Calcium carbonate is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain trace amounts of crystalline silica, which has been classified by IARC as carcinogenic to humans when inhaled in the form of quartz or crystobalite.  
***This is not relevant for this product since it is a liquid.***

### Titanium dioxide (CAS 13463-67-7):

This product contains Titanium dioxide, which is classified as a possible carcinogen when present as respirable dust.  
***This is not relevant for this product since it is a liquid.***

### Quartz (CAS#14808-60-7)

**This product contains Quartz**, which is classified as a known carcinogen when present as respirable dust.

***This is not relevant for this product since it is a liquid.***

#### **IARC Monographs. Overall Evaluation of Carcinogenicity**

Titanium dioxide (CAS#13463-67-7) Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes:  
*"No significant exposure to Titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."*

Quartz (CAS#14808-60-7) 1 "Carcinogenic to humans". In Respirable form.  
***This is not relevant for this product since it is a liquid.***

#### **NTP Report on Carcinogens**

Titanium dioxide (CAS#13463-67-7) Not listed.

Quartz (CAS#14808-60-7) Known "Known to be a Human Carcinogen". In Respirable form.  
***This is not relevant for this product since it is a liquid.***

#### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None of the components in this product is listed.

<b>Reproductive toxicity</b>	No data available.
<b>Specific target organ toxicity – single exposure</b>	Causes damage to organs. - Eyes
<b>Specific target organ toxicity – repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.

### **12. Ecological information**

#### **Numerical measures of toxicity**

<b>Components</b>	<b>Test</b>	<b>Species</b>	<b>Test Results</b>
Titanium dioxide (CAS#13463-67-7)	Crustacea EC50	Water flea ( <i>Daphnia magna</i> )	>100 mg/l, 48 Hours
Methanol (CAS#67-56-1)	Fish EC50	Bluegill ( <i>Lepomis macrochirus</i> )	12700 mg/l, 96 Hours
Propylene Glycol (CAS#57-55-6)	Crustacea LC50	Shrimp ( <i>Mysidopsis bahia</i> )	18800 mg/l, 96 Hours
<b>Persistence and degradability</b>	Not available		
<b>Bioaccumulative potential</b>	Minimal to none.		
<b>Mobility in soil</b>	Not available		
<b>Other adverse effects</b>	Avoid release into the environment.		

### **13. Disposal considerations**

**Disposal instructions** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### **Hazardous waste code**

<b>US RCRA Hazardous Waste F List : Reference</b>	Methyl alcohol (CAS 67-56-1)	F039
<b>US RCRA Hazardous Waste U List : Reference</b>	Methyl alcohol (CAS 67-56-1)	U154

**Contaminated packaging** Do not re-use empty containers.

### **14. Transport information**

In Accordance with DOT	Not regulated for transport.
In Accordance with IMDG	Not regulated for transport.
In Accordance with IATA	Not regulated for transport.

### **15. Regulatory information**

**US federal regulations** In accordance with OSHA Hazard Communication Standard, 29 CFR

1910.1200.

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**Compliance Statement:** This SDS was prepared to be in accordance with:

US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None of the components in this product is regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Calcium carbonate (CAS#1317-65-3) Methanol (CAS#67-56-1)

Titanium dioxide (CAS#13463-67-7) Quartz (CAS#14808-60-7)

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Methanol (CAS 67-56-1) Listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard	- No	Pressure Hazard	- No
	Delayed Hazard	- No	Reactivity Hazard	- No
	Fire Hazard	- No		

**SARA 302/304 Extremely hazardous substance**

None of the components in this product is listed.

**SARA 311/312 Hazardous chemical**

Yes

**SARA 313 (TRI reporting)**

<b>Chemical Name</b>	<b>CAS number</b>	<b>% by wt.</b>
Methanol	67-56-1	0-7

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Methanol (CAS 67-56-1)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not listed.

**Safe Drinking Water Act (SDWA)- Not listed**

**US State regulations**

**US. Massachusetts RTK – Substance List**

Calcium carbonate (CAS#1317-65-3) Propylene Glycol (CAS#57-55-6)

Titanium dioxide (CAS#13463-67-7) Quartz (CAS#14808-60-7)

Methanol (CAS#67-56-1)

**US. New Jersey Worker and Community Right-to-Know Act**

Calcium carbonate (CAS 1317-65-3) Propylene Glycol (CAS 57-55-6)

Titanium dioxide (CAS#13463-67-7) Quartz (CAS#14808-60-7)

Methanol (CAS 67-56-1)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Calcium carbonate (CAS 1317-65-3) Methanol (CAS 67-56-1)

Titanium dioxide (CAS#13463-67-7) Propylene Glycol (CAS 57-55-6)

**US. California Proposition 65: Carcinogens & Reproductive Toxicity (CRT): Listed substance**

The following are on the Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity, which are classified as a possible carcinogen when present as respirable dust:

**Crystalline silica** (CAS 14808-60-7) and **Titanium dioxide** (CAS 13463-67-7).

***This is not relevant for this product since it is a liquid.***

**Canada regulations**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR)

**WHMIS classification:** This product does not meet the criteria for classification.

**16. Other information, including date of preparation or last revision**

Issue date 07-23-2017

Revision date 08-02-2021

Version # 3

**Hazard Ratings**

	<u>HMIS</u>	<u>NFPA</u>	<u>SCALE</u>
HEALTH	1	1	0-Minimal
FLAMMABILITY	1	1	1-Slight
REACTIVITY	0	0	2-Moderate
PPE	B		3-Serious
	Safety Glasses Gloves		4-Severe

**References**

ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices  
IARC: International Agency for Research on Cancer  
NIOSH: The National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration

**Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Because of conditions of use are beyond our control, no guarantee, representation or warranty expressed or implied is made. We urge each customer or recipient of this SDS to study it carefully to become aware of and understand the potential hazards associated with the product. Customary precautionary measures for handling chemicals should be followed.

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. Since conditions for use of this product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Any use of the product not in conformance with this SDS or in combination with any other product or process is the responsibility of the user. Consult Ozark Materials, LLC for further information.