

## 1. Identification

<b>Product identifier</b>	WATERBORNE PAINT
<b>Synonyms</b>	Road Marking Paint, Traffic Marking Paint
<b>Recommended use</b>	Traffic Marking
<b>Recommended restrictions</b>	None known
<b>General Assistance</b>	334-213-2995
<b>E-Mail</b>	contact@ozarkmaterials.net
<b>Contact Person</b>	Derron Henderson
<b>Emergency Telephone</b>	770-355-4477

## 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 3
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 1A
	Specific target organ toxicity, single exposure (lungs, liver, kidney, central nervous system)	Category 1
	Specific target organ toxicity, repeated exposure (lungs)	Category 1

### Label elements



**Signal word** Danger

**Hazard statement** Harmful if swallowed. Toxic in contact with skin or if inhaled. Causes serious eye irritation. Suspected of causing genetic defects. May cause cancer. Causes damage to lungs, liver, kidney, central nervous system. Causes damage to lungs through prolonged or repeated exposure.

### Precautionary statement

#### Prevention

Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray.

#### Response

IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth.  
 IF ON SKIN: wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Take off immediately all contaminated clothing & wash it before reuse.  
 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 If exposed or concerned: Call a POISON CENTER or physician.

<b>Storage</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
Calcium carbonate	1317-65-3	0-65
Titanium dioxide	13463-67-7	0-10
Methanol	67-56-1	0-7
Carbon black	1333-86-4	0-4
Propylene Glycol	57-55-6	0-4
Quartz	14808-60-7	0.07-0.3

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>	Respiratory and lungs disorders. Skin disorders. Liver disorders. Kidney disorders. Central nervous system problem depression.
<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

**Personal precautions, protective equipment & emergency procedures**

Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

**Environmental precautions**

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

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

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.

## 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, including any incompatibilities**

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

## 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/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable)
Titanium dioxide (CAS#13463-67-7)	PEL(TWA)	15 mg/m <sup>3</sup>
Methanol (CAS# 67-56-1)	PEL(TWA)	260 mg/m <sup>3</sup>
Carbon black (CAS#1333-86-4)	PEL(TWA)	3.5 mg/m <sup>3</sup>
Quartz (CAS#14808-60-7)	PEL (TWA)	0.1 mg/m <sup>3</sup> (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/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable)
Titanium dioxide (CAS#13463-67-7)	8-hour TWA	15 mg/m <sup>3</sup> (total dust)
Methanol (CAS# 67-56-1)	8-hour TWA	260 mg/m <sup>3</sup>
Carbon black (CAS#1333-86-4)	8-hour TWA	3.5 mg/m <sup>3</sup>

**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	<u>10 mg/m<sup>3</sup></u> (respirable) %SiO <sub>2</sub> +2 <u>30 mg/m<sup>3</sup></u> (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/m <sup>3</sup> (total dust)
Methanol (CAS# 67-56-1)	TLV(STEL)	250 ppm
Carbon black (CAS#1333-86-4)	TLV(TWA)	3 mg/m <sup>3</sup> (Inhalable)
Quartz (CAS#14808-60-7)	TLV(TWA)	0.025 mg/m <sup>3</sup> (respirable)

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

Components	Type	Value
Calcium carbonate (CAS#1317-65-3)	REL(TWA)	10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable)
Methanol (CAS# 67-56-1)	REL(TWA)	260 mg/m <sup>3</sup>

Carbon black (CAS#1333-86-4)

REL(TWA)

3.5 mg/m<sup>3</sup>

Quartz (CAS#14808-60-7)

REL(TWA)

Ca 0.05 mg/m<sup>3</sup> (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**



**Eye/face protection**

Wear protective eyewear (safety glasses).

**Skin protection**

**Hand protection**

Protective gloves.

**Other**

Impervious clothing. Dispose of contaminated gloves after use in accordance with applicable laws and good work hygiene practices.

**Respiratory protection**

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.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

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**

**Appearance**

**Physical state**

Emulsion

**Form**

Liquid

**Color**

White, Yellow, Black, Blue, Green, Red

**Odor**

Slight, Ammonia

**Odor threshold**

Not Available

**pH**

Not Available

**Melting point/freezing point**

Not Available

**Initial boiling point and boiling range**

Not Available

**Flash point**

> 201°F (>93.8°C)

**Evaporation rate**

Not Available

**Flammability (solid, gas)**

Not flammable

**Upper/lower flammability or explosive limits**

**Flammability limit – lower (%)**

Not Available

**Flammability limit – upper (%)**

Not Available

**Explosive limit - lower (%)**

Not Available

**Explosive limit - upper (%)**

Not Available

**Vapor pressure**

Not Available

**Vapor density**

Not Available

**Relative density (specific gravity)**

1.55 - 1.75

**Solubility(ies)**

**Solubility (water)**

Insoluble

**Partition coefficient (n-octanol/water)**

Not Available

**Auto-ignition temperature**

Not Available

**Decomposition temperature**

Not Available

Viscosity Not Available

## 10. Stability and reactivity

**Reactivity** Not Available.  
**Chemical stability** Stable under recommended storage conditions.  
**Possibility of hazardous reactions** Hazardous polymerization does not occur.  
**Conditions to avoid** None known based on information supplied.  
**Incompatible materials** Acids, strong oxidizing agents.  
**Hazardous decomposition Products** 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 effects as listed under "Inhalation".  
**Inhalation** Toxic if inhaled. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and in-coordination. Sanding and grinding dust may be harmful if inhaled.  
**Skin contact** Toxic in contact with skin. May cause irritation.  
**Eye contact** Causes serious eye irritation.  
**Symptoms related to the physical, chemical & toxicological characteristics** Respiratory and lungs disorders. Skin disorders. Liver disorders. Kidney disorders. Central nervous system depression.  
**Delayed & immediate effects & also chronic effects from short- and long-term exposure** Inhalation exposure to respirable levels of crystalline silica may cause respiratory impairment and lung damage. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). Inhalation, ingestion, or skin absorption of methanol can cause blindness.

### Numerical measures of toxicity

Components	Test	Species	Test Results
Titanium dioxide (CAS#13463-67-7)	Oral LD <sub>50</sub>	Rat	>5000 mg/kg
	Inhalation LC <sub>50</sub>	Rat	>3.43 mg/l
Methanol (CAS#67-56-1)	Oral LD <sub>50</sub>	Human	300 mg/kg
	Dermal LD <sub>50</sub>	Human	1000 mg/kg
	Inhalation LC <sub>50</sub>	Human	10 mg/l
Propylene Glycol (CAS#57-55-6)	Oral LD <sub>50</sub>	Rat	22000 mg/kg

**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** Suspected of causing genetic defects.  
**Carcinogenicity** May cause cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS#13463-67-7) 2B "Possibly carcinogenic to humans".  
Carbon black (CAS#1333-86-4) 2B "Possibly Carcinogenic to Humans".  
Quartz (CAS#14808-60-7) 1 "Carcinogenic to humans".

### NTP Report on Carcinogens

Titanium dioxide (CAS#13463-67-7) Not listed.  
Carbon black (CAS#1333-86-4) Not listed.  
Quartz (CAS#14808-60-7) Known "Known to be a Human Carcinogen".

### 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 lungs, liver, kidney, central nervous system.
<b>Specific target organ toxicity – repeated exposure</b>	Causes damage to lungs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	No data available.

## 12. Ecological information

### Numerical measures of toxicity

Components	Test	Species	Test Results
Titanium dioxide (CAS#13463-67-7)	Crustacea EC <sub>50</sub>	Water flea ( <i>Daphnia magna</i> )	>100 mg/l, 48 Hours
Methanol (CAS#67-56-1)	Fish EC <sub>50</sub>	Bluegill ( <i>Lepomis macrochirus</i> )	12700 mg/l, 96 Hours
Propylene Glycol (CAS#57-55-6)	Crustacea LC <sub>50</sub>	Shrimp ( <i>Mysidopsis bahia</i> )	18800 mg/l, 96 Hours

<b>Persistence and degradability</b>	Not available
<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Not available
<b>Other adverse effects</b>	None known

## 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** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

### 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)
- Titanium dioxide (CAS#13463-67-7)
- Methanol (CAS#67-56-1)
- Carbon black (CAS#1333-86-4)
- 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	- Yes
	Delayed Hazard	- Yes
	Fire Hazard	- Yes

Pressure Hazard - No

Reactivity 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)**

Chemical Name	CAS number	% by wt.
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** WARNING: This product contains chemicals known to the State of California to cause cancer.

**US. Massachusetts RTK – Substance List**

Calcium carbonate (CAS#1317-65-3)

Titanium dioxide (CAS#13463-67-7)

Methanol (CAS#67-56-1)

Carbon black (CAS#1333-86-4)

Propylene Glycol (CAS#57-55-6)

Quartz (CAS#14808-60-7)

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

Calcium carbonate (CAS 1317-65-3)

Titanium dioxide (CAS#13463-67-7)

Methanol (CAS 67-56-1)

Carbon black (CAS#1333-86-4)

Propylene Glycol (CAS 57-55-6)

Quartz (CAS#14808-60-7)

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

Calcium carbonate (CAS 1317-65-3)

Titanium dioxide (CAS#13463-67-7)

Methanol (CAS 67-56-1)

Carbon black (CAS#1333-86-4)

Propylene Glycol (CAS 57-55-6)

Quartz (CAS#14808-60-7)

**US. California Proposition 65**

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

Carbon black (CAS#1333-86-4)

Quartz (CAS 14808-60-7)

**Canada regulations**

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

**WHMIS classification**

D1B Materials Causing Immediate and Serious Toxic Effects

D2A Materials Causing Other Toxic Effects

D2B Materials Causing Other Toxic Effects





## International Inventories

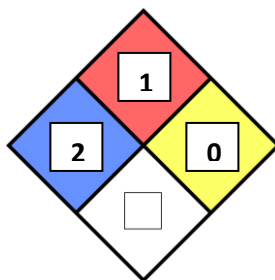
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non- Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing & New Chemical Substances (ENCS)	Yes
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals & Chemical Substances (PICCS)	Yes
United States & Puerto Rico	United States & Puerto Rico	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date	09-23-2013
Revision date	07-23-2015
Version #	1
NFPA Ratings	



## References

ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices  
ECHA: European Chemicals Agency  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
NIOSH: The National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
NLM: Hazardous Substances Data Base  
OECD : Organization for Economic Co-operation and Development  
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.