



SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Colorgard White

Part Number: CGW

Recommended Use: High Temperature White Coating

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
PO Box 668, 10840 Chapman, Seymour, TN 37865
USA
Phone /Fax 1-865-773-0599
www.techlinecoatings.com

Keep out of reach of children.
Not recommended for use on Medical equipment.
Not recommended for use on Aviation equipment.

Emergency Phone: N.America +1-800-535-5053
Intl. +1-352-323-3500

Section 2 – Hazards Identification

Signal Word: Warning

Symbols:



Table with Hazard Statements and GHS Classification/Category. Hazard statements include: Flammable liquid and vapor, Causes skin Irritation, Causes Serious Eye Irritation, Suspected of causing genetic defects, Suspected of causing cancer, May cause respiratory irritation. GHS Classification includes: Flammable Liquid (3), Skin Irritation (2), Eye Damage/Irritation (2A), Germ Cell Mutagenicity (2), Carcinogenicity (2), Specific Target Organ Toxicity Single Exposure (3).

Precautionary Statements:
Keep away from heat / sparks / open flames / hot surfaces. No Smoking. Ground / bond container and receiving equipment. Use explosion proof electrical / ventilating / lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
In case of fire use alcohol-resistant foam, dry chemical or carbon dioxide
Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Wear protective gloves / protective clothing (chemical proof). Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fumes / mist / vapors / spray. Use only outdoors or in a well ventilated area.
If on skin or hair: wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor if you feel unwell.
If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If exposed or concerned: Get medical advise / attention.
Dispose of Contents / container in accordance with regulations in your area. See section 13 for additional information.

Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
Titanium dioxide	TiO ₂	13463-67-7	< 28%
Isobutyl Alcohol		78-83-1	< 25%
Diphenyl, methyl, phenyl, phenylmethyl silicone resin		68037-81-0	Trade Secret
Xylene		1330-20-7	< 25%

Other ingredients are not hazardous based on OSHA standard Section 29 CFR 1910.1200

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water, and remove contaminated clothing shoes and leather goods. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Consult a physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	Special Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire And Explosion Hazards: Hazardous decomposition products formed under extreme fire conditions. - Carbon and other oxides. Vapors are heavier than air and may travel to a source of ignition and flash back.	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Use spark-proof tools and explosion-proof equipment.
- Remove sources of ignition.
- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors or mists from spraying. Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment. If required wear an appropriate NIOSH approved respirator with paint prefilter. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

Storage:

Store in area suitable for flammable liquids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from oxidizers, inorganic acids, aldehydes, and isocyanates.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
Xylene	TLV: Not Established	(TWA) 435mg/m ³	N/A
Isobutyl Alcohol	(TWA) 50ppm	300mg/m ³	N/A
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	No data available	No data available	No data available
TiO ₂	10 mg/m ³ (inspirable dust)	15 mg/m ³ (total dust)	2.4 mg/m ³ (fine particles)

Engineering Controls:

Exhaust ventilation.
Showers
Eyewash stations
Use in a well-ventilated area.

Respiratory Protection:

Use NIOSH approved respirator if TWA/TLV limits are exceeded

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

Other Protective Equipment:

WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES

Ventilation:

Local Exhaust: Use To Maintain Below TWA Limits

Mechanical:

Use Non-Sparking Equipment

Work / Hygienic Practices:

wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	White
Odor :	Mixture of Solvents
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 250° F.
Flash point :	> 109° F.
Evaporation Rate:	No data available on mixture
Upper/lower flammability or explosive limits:	No data available on mixture
Vapor pressure	No data available on mixture
Vapor density	> 1 - (air =1)
Relative density	14.14 lbs per gallon

Solubility(ies)	No data available on mixture
Partition coefficient: n-octanol/water	No data available on mixture
Auto-ignition temperature	No data available on mixture
Decomposition temperature	No data available on mixture
Viscosity	No data available on mixture
Total VOC	< 2 g/l

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	Hazardous Polymerization: Will not occur.
Conditions to avoid:	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
Incompatible Materials:	Oxidizing material can cause a reaction.
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon dioxide. Carbon oxides. Metal oxides. Formaldehyde.

Section 11 – Toxicological Information

Potential Health Effects

Inhalation	May cause respiratory irritation
Ingestion	No data available
Skin	Causes skin Irritation
Eyes	Causes Serious Eye Irritation

Acute Toxicity

Isobutyl Alcohol	Oral LD50	LD50 Oral - rat – 3,350 mg/kg
	Inhalation LC50	No data available
	Dermal LD50	No data available
Xylene	Oral LD50	Rat- 4000mg/kg
	Dermal LC50	Rabbit->4000 mg/kg
	Inhalation LC50	Rat-29 mg/l/4hr
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Titanium Dioxide	Oral LD50	ALD/rat : > 24,000 mg/kg
	Inhalation LC50	ALC/4 h/rat : > 6.82 mg/l
	Dermal LD50	ALD/rabbit : > 10,000 mg/kg

Skin Corrosion/Irritation

Isobutyl Alcohol
causes skin irritation

Xylene
causes skin irritation

TiO₂
Skin - Human - Mild skin irritation - 3 h

All other
No data available

Serious Eye Damage/Eye Irritation

Isobutyl Alcohol
Causes serious eye irritation – redness, swelling and blurred vision.

Xylene
Causes eye irritation.

All other
No data available

Respiratory Or Skin Sensitization

No data available

Germ Cell Mutagenicity

Isobutyl Alcohol
Not expected to be mutagenic to humans

Xylene
not classified

TiO₂
Genotoxicity in vitro - Hamster - ovary
Micronucleus test
Genotoxicity in vitro - Hamster - Lungs
DNA inhibition
Genotoxicity in vitro - Hamster - ovary
Sister chromatid exchange
Genotoxicity in vivo - mouse - Intraperitoneal
Micronucleus test

All other
No data available

Carcinogenicity

IARC: 2B - Group 2B: Possibly carcinogenic to humans (TiO₂)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

TiO₂
Carcinogenicity - rat - Inhalation
Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.
Carcinogenicity - rat - Intramuscular
Tumorigenic: Neoplastic by RTECS criteria. Blood: Lymphomas including Hodgkin's disease. Tumorigenic: Tumors at site or application.

Reproductive Toxicity

Isobutyl Alcohol

Not expected to cause reproductive effects

Xylene

Not classified

All other

No data available

Specific Target Organ Toxicity Single Exposure

PCBTF

Inhalation - May cause respiratory irritation.

All other

No data available

Specific Target Organ Toxicity Repeated Or Prolonged Exposure

No data available

Aspiration Hazard

No data available

Section 12 – Ecological Information**General Comments:**

Do not allow material to be released into the environment without proper governmental permits

Environmental Toxicity:

• Isobutyl Alcohol	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	NOEC/21 Day - 20 mg/L(Daphnia magna)
Xylene	
Toxicity to fish	3.77 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
Toxicity to daphnia and other aquatic invertebrates	7.4 mg/l (48 h; Daphnia magna)
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
TiO2	
Toxicity to fish	LC50/96 h/Fathead minnow: > 1,000 mg/l
Toxicity to daphnia and other aquatic invertebrates	No data available

Bioaccumulative Potential

No data available on mixture

Section 13 – Disposal Considerations**Waste Disposal Method:**

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Characteristic Waste:

Ignitable: D001

TCLP: D018

State or local laws may impose additional regulatory requirements regarding disposal.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: Yes

Based on 49 CFR, IATA and IMDG:

UN Number: UN1263

UN Proper Shipping Name: Paint

Hazard Class: 3

Packing Group: III

Labels: Flammable Liquid

Placards: Flammable Liquid

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	CAS Number	SARA 313	SARA 302	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Isobutyl Alcohol	< 25%	78-83-1	Yes	No	Yes	Yes	Yes	No
Xylene	< 25%	1330-20-7	No	NO	Yes	Yes	Yes	No
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	Trade Secret	68037-81-0	No	No	Yes	Yes	Yes	No
Titanium Dioxide	< 28%	13463-67-7	No	No	Yes	Yes	Yes	No

SARA 311 / 312 Hazards: Flammable Hazard, Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

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