



SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Colorgard Shiny Aluminum Part B

Part Number: CGSA Part B

Recommended Use: Pigment for High Temperature 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

For Industrial Use Only
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: Danger

Symbols:



Table with 2 columns: Hazard Statements and GHS Classification: Category. Rows include Flammable solid, Causes skin Irritation, Causes eye irritation, and May be fatal if swallowed and enters airways.

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.
In case of fire: use class D dry extinguishing materials, DO NOT USE water or CO2
Store locked up.
Wear protective gloves. Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling.
If swallowed: immediately call a poison center / doctor for medical advice. Do NOT induce vomiting.
If on skin: wash with plenty of water. If skin irritation occurs: Get medical advice / attention. Take off all contaminated clothing and wash it before reuse.
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, from a poison center / doctor.
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
ALUMINUM PIGMENT / POWDER		7429-90-5	100.00%

### 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

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

### Section 5 – Fire Fighting Measures

<b>Extinguishing Media:</b> USE CLASS D DRY EXTINGUISHING MATERIALS Use dry sand or chemical powders (sodium chloride, copper, graphite) to confine and smother flames.	<b>Special Fire Fighting Procedures:</b> Wear self contained breathing apparatus for fire fighting if necessary. DO NOT SPRAY FLAMES WITH WATER OR CO2.
<b>Unusual Fire And Explosion Hazards:</b> Dust formation may cause flash fire. Keep containers tightly closed and isolated from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite Explosively.	<b>Additional Information:</b> ** Danger! Aluminum powder reacts violently when combined with water. Dust accumulation creates the potential for flash fire and/or explosion. **

### Section 6 – Accidental Release Measures

#### Methods for Containment and Clean Up

- Do not use water or CO2 for cleanup.
- Keep in suitable, marked and closed containers for disposal.
- Remove sources of ignition.
- 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:

Avoid dust formation. When opening and closing containers use non-sparking tools. All equipment must be explosion-proof. 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.

#### Storage:

Do not store above 120° deg.f. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage.

### Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
ALUMINUM PIGMENT / POWDER	1 mg/m3	TWA 15 mg/m3	TWA: 10 mg/m3

<b>Engineering Controls:</b>	Exhaust ventilation. Showers Eyewash stations Use in a well-ventilated area.
<b>Respiratory Protection:</b>	Use NIOSH approved respirator if TWA/TLV limits are exceeded
<b>Protective Gloves:</b>	CHEMICAL RESISTANT
<b>Eye Protection:</b>	SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES
<b>Other Protective Equipment:</b>	WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES
<b>Ventilation:</b>	Local Exhaust: Use To Maintain Below TWA Limits
<b>Mechanical:</b>	Use Non-Sparking Equipment
<b>Work / Hygienic Practices:</b>	wash thoroughly after handling product and before eating, drinking or smoking

### Section 9 – Physical And Chemical Properties

Form :	Powder
Color :	Grey metallic
Odor :	Minimal
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	Not Established
Flash point :	Not Established
Evaporation Rate:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	Specific Gravity 2.53
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not Established
Total VOC	No data available

### Section 10 – Stability And Reactivity

<b>Stability:</b>	STABLE
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**Possibility of hazardous reactions:** Hazardous Polymerization: Will not occur.

**Conditions to avoid:** Avoid storage of open containers at elevated temperatures. Sources of ignition.

**Incompatible Materials:** Water, strong acids, strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides. Metal oxides.

**Section 11 – Toxicological Information**

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**Potential Health Effects**

<b>Inhalation</b>	May cause irritation.
<b>Ingestion</b>	May be fatal if swallowed and enters airways
<b>Skin</b>	May cause irritation.
<b>Eyes</b>	May cause irritation.

**Acute Toxicity**

ALUMINUM PIGMENT / POWDER	Oral LD50	LD50 Oral - Rat - > 2,000 mg/kg
	Inhalation LC50	LC50 Inhalation - Rat - 4 h - > 888 mg/l
	Dermal LD50	No data available

**Skin Corrosion/Irritation**

No data available

**Serious Eye Damage/Eye Irritation**

No data available

**Respiratory Or Skin Sensitization**

No data available

**Germ Cell Mutagenicity**

No data available

**Carcinogenicity**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**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.

**Reproductive Toxicity**

No data available

**Specific Target Organ Toxicity Single Exposure**

No data available

### Specific Target Organ Toxicity Repeated Or Prolonged Exposure

No data available

### Aspiration Hazard

Aspiration into the lungs can cause fatal chemical pneumonitis.

### Section 12 – Ecological Information

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#### General Comments:

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

#### Environmental Toxicity:

ALUMINUM PIGMENT / POWDER

Toxicity to fish

No data available

Toxicity to daphnia and other aquatic  
invertebrates

No data available

Toxicity to Microorganisms

No data available

### Section 13 – Disposal Considerations

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#### Waste Disposal Method:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. State or local laws may impose additional regulatory requirements regarding disposal.

#### Contaminated Packaging

Dispose of as unused product.

### Section 14 – Transportation Information

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Hazardous for Shipping: Yes

Based on 49 CFR, IATA and IMDG:

UN Number: UN1309

UN Proper Shipping Name: Aluminum powder, coated

Hazard Class: 4.1

Packing Group: II

Labels: Flammable Solid

Placards: Flammable Solid

### Section 15 – Regulations

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**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
ALUMINUM PIGMENT / POWDER	100	7429-90-5	Yes	No	Yes	Yes	Yes	No

SARA 311 / 312 Hazards: Fire Hazard

### Section 16 – Other Information

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