SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Colorgard Shiny Aluminum Part A

Part Number: CGSA Part A

Recommended Use: High Temperature Coating

Restrictions on Use:

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

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

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

Section 2 – Hazards Identification

Signal Word: Warning

Symbols:

Hazard Statements:
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:	**Category**
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
PARACHLOROBENZOTRIFLUORIDE	PCBTF	98-56-6	< 65%
Diphenyl, methyl, phenyl, phenylmethyl silicone resin		68037-81-0	Trade Secret
Toluene		108-88-3	< 0.2%

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 extreem 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
PARACHLOROBENZOTRIFLUORIDE	TLV: Not Established	PEL: Not Established	CEL: 25 ppm 8hr TWA
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	No data available	No data available	No data available
Toluene	TWA: 50 ppm	TWA: 300 ppm	STEL: 150 ppm TWA: 100 ppm

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 :	Clear
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	10.65 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	< 3 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

PCBTF	Oral LD50	LD50 Oral - rat - 13,000 mg/kg
	Inhalation LC50	No data available
	Dermal LD50	No data available
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Toluene	Oral LD50	LD50 Oral - rat - > 5,580 mg/kg
	Inhalation LC50	LC50 Inhalation - rat - 4 h - 12,500 - 28,800 mg/m3
	Dermal LD50	LD50 Dermal - rabbit - 12,196 mg/kg

Skin Corrosion/Irritation

Toluene

Skin - rabbit - Skin irritation - 24 h

PCBTF

In skin irritation studies, the compound was found to be slightly to moderately irritating.

All other

No data available

Serious Eye Damage/Eye Irritation

PCBTF

In eye irritation studies, the compound was found to be slightly to moderately irritating.

All other

No data available

Respiratory Or Skin Sensitization

No data available

Germ Cell Mutagenicity

PCBTF

Genotoxicity in vitro - Human - Embryo
Unscheduled DNA synthesis

Toluene

Genotoxicity in vitro - rat - Liver
DNA damage

All other

No data available

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene)

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.

Reproductive Toxicity

PCBTF

In a two-generation reproduction study rats were exposed daily via oral gavage at doses of 0, 5, 15, and 45 mg/kg. Only limited reproductive effects were noted.

Toluene

Reproductive toxicity - rat - Inhalation
Paternal Effects: Spermatogenesis (including genetic material, sperm morphology,motility, and count).
Experiments have shown reproductive toxicity effects in male and female laboratory animals.

All other

No data available

Specific Target Organ Toxicity Single Exposure

PCBTF

Inhalation - May cause respiratory irritation.

Toluene

Developmental Toxicity - rat - Oral
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
Damage to fetus possible
Suspected human reproductive toxicant

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:

PCBTF	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toluene	
Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 74.00 - 340.00 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d LOEC - Pimephales promelas (fathead minnow) - 8.04 mg/l - 7 d
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h
Toxicity to algae	EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h

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
PCBTF	< 65%	98-56-6	No	No	Yes	Yes	No	No
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	Trade Secret	68037-81-0	No	No	Yes	Yes	Yes	No
Toluene	< 0.2%	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes

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

Section 16 – Other Information

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