



SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Ciloxide Dark Purple

Part Number: CXDP

Recommended Use: Exhaust Coating

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
PO Box 668, 10840 Chapman Hwy,
Seymour, TN 37865
USA

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

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: Danger

Symbols:



Table with Hazard Statements: Highly flammable liquid and vapor, Harmful if swallowed, Harmful in contact with skin, Harmful if inhaled, Causes skin Irritation, Causes Serious Eye Damage, May cause and allergic skin reaction, Suspected of causing genetic defects, Suspected of causing cancer

Table with GHS Classification and Category: Flammable Liquid (2), Acute Toxicity Oral (4), Acute Toxicity Dermal (4), Acute Toxicity Inhalation (3), Skin Irritation (2), Eye Damage (2), Skin Sensitization (3), Germ Cell Mutagenicity (2), Carcinogenicity (2)

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. Do not eat drink or smoke when using this product. Do not breath fumes / mist / vapors / spray. Use only outdoors or in a well ventilated area. Contaminated work clothing must not be allowed out of the workplace.
If swallowed: Immediately call a poison center / doctor for medical advice. Do NOT induce vomiting. Rinse mouth.
If on skin or hair: wash with plenty of water. Call a poison center / doctor if you feel unwell or if irritation or rash occurs.

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 for medical advice.

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center / doctor.

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**

<b>Component Name</b>	<b>Common Name / Synonyms</b>	<b>CAS#</b>	<b>% of Weight</b>
Tert Butyl Acetate	TBAc	540-88-5	> 25%
Titanium Dioxide	TiO2	13463-67-7	< 9%
Xylene		1330-20-7	< 7%
PARACHLOROBENZOTRIFLUORIDE	PCBTF	98-56-6	< 7%
Toluene		108-88-3	< 5%
Ethyl Acetate		141-78-6	< 4%
Ethyl benzene		100-41-4	< 2%
Crystalline silica		14808-60-7	< 0.1%

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**

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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	<b>Special Fire Fighting Procedures:</b> Wear self contained breathing apparatus for fire fighting if necessary.
<b>Unusual Fire And Explosion Hazards:</b> 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.	<b>Additional Information:</b> 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
Tert Butyl Acetate	TWA 200 PPM	TWA 200 PPM	1,500 PPM
TiO2	10 mg/m3 (inspirable dust)	15 mg/m3 (total dust)	2.4 mg/m3 (fine particles)
Xylene	TLV: 100 ppm TWA: 150 ppm	TWA: 100 ppm	100 ppm 10 hour shift 200 ppm 10 minutes
PARACHLOROBENZOTRIFLUORIDE	TLV: Not Established	PEL: Not Established	CEL: 25 ppm 8hr TWA
Toluene	TWA: 50 ppm	TWA: 300 ppm	STEL: 150 ppm TWA: 100 ppm
Ethyl Acetate	TWA 400 ppm	TWA 400 ppm	TWA 400 ppm
Ethyl benzene	TLV: 100 ppm TWA: 125 ppm	TWA: 100 ppm	TWA: 100 ppm
Crystalline silica	Respirable fraction TWA 0.01 ppm	10 mg/m3	0.05 mg/m3

**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

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Form :	liquid
Color :	Dark Violet
Odor :	Mixture of Solvents
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 150° F.
Flash point :	> 26° 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	11.07 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	< 150 g/l

## Section 10 – Stability And Reactivity

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<b>Stability:</b>	STABLE
<b>Possibility of hazardous reactions:</b>	Hazardous Polymerization: Will not occur.
<b>Conditions to avoid:</b>	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
<b>Incompatible Materials:</b>	Oxidizing material can cause a reaction.
<b>Hazardous Decomposition Products:</b>	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

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### Potential Health Effects

<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin</b>	Harmful in contact with skin. Causes skin irritation. May cause and allergic skin reaction
<b>Eyes</b>	Causes Serious Eye Irritation

### Acute Toxicity

TBAc	Oral LD50	LD50 Oral - rat - 4,100 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Ataxia. Lungs, Thorax, or Respiration:Dyspnea.
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	Inhalation LC50	LC50 Inhalation - rat - 4 h - > 2,230 mg/m3
		LD50 Dermal - rabbit - > 2,000 mg/kg
		Remarks: Diarrhoea Kidney, Ureter, Bladder:Other changes.
	Dermal LD50	
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
Xylene	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
PCBTF	Oral LD50	LD50 Oral - rat - 13,000 mg/kg
	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
Ethyl Acetate	Oral LD50	LD50 Oral - rat - 5,620 mg/kg
	Inhalation LC50	LC50 Inhalation - mouse - 2 h - 45,000 mg/m3
	Dermal LD50	LD50 Dermal - rabbit - > 180,000 mg/kg
Ethyl benzene	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	LD50 Dermal - rabbit - 15,433 mg/kg
Crystalline silica	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available

### Skin Corrosion/Irritation

TBAc

Skin - rabbit - Mild skin irritation

Toluene

Skin - rabbit - Skin irritation - 24 h

TiO2

Skin - Human - Mild skin irritation - 3 h

Xylene

Standard Draize Test: Administration onto the skin (rabbit) = 500 mg (Moderate).

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

TBAc

Eyes - rabbit - Mild eye irritation

## COBALT PHOSPHATE

Cobalt compounds are mildly irritating to the eyes

## Xylene

Standard Draize Test: Administration into the eye (rabbit) = 5 mg/24H (Severe).

## 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

### TiO<sub>2</sub>

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 (Ethylbenzene, TiO<sub>2</sub>, COBALT PHOSPHATE(as cobalt compounds))  
3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene, Xylene)

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.

### TiO<sub>2</sub>

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

### Xylene

There is ample evidence that xylene produces embryotoxicity (reduced body weight, retarded ossification, retarded kidney development, increased extra rib) and fetotoxicity in mice and rats, but xylene is not considered teratogenic.

**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

**Ethyl Acetate**

May cause drowsiness or dizziness.

**All other**

No data available

**Specific Target Organ Toxicity Repeated Or Prolonged Exposure**

**Xylene**

Chronic exposure to xylene may cause defatting dermatitis, reversible eye damage, dyspnea (labored breathing), confusion, dizziness, apprehension, memory loss, headache, tremors, weakness, anorexia, nausea, ringing in the ears, irritability, thirst, mild changes in liver function, kidney impairment, anemia, and hyperplasia, but not destruction, of the bone marrow.

**Crystalline silica**

Inhalation - May cause damage to organs through prolonged or repeated exposure.

**All other**

No data available

**Aspiration Hazard**

No data

**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:**

**TBAc**

Toxicity to fish

LC50 - Pimephales promelas (fathead minnow) - 296 - 362 mg/l - 96 h

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
Xylene		
	Toxicity to fish	No data available
	Toxicity to daphnia and other aquatic invertebrates	No data available
PCBTF		
	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
Ethyl Acetate		
	Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 350.00 - 600.00 mg/l - 96 h LC50 - Pimephales promelas (fathead minnow) - 220.00 - 250.00 mg/l - 96 h
	Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 2,300.00 - 3,090.00 mg/l - 24 h LC50 - Daphnia magna (Water flea) - 560 mg/l - 48 h
	Toxicity to algae	EC50 - Algae - 4,300.00 mg/l - 24 h EC50 - SELENASTRUM - 1,800.00 - 3,200.00 mg/l - 72 h
Ethylbenzene		
	Toxicity to fish	LC50 - Cyprinodon variegatus (sheepshead minnow) - 88.00 mg/l - 96 h LC50 - Lepomis macrochirus (Bluegill) - 80.00 mg/l - 96 h NOEC - Cyprinodon variegatus (sheepshead minnow) - 88 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 4.2 mg/l - 96 h
	Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 2.90 mg/l - 48 h
Crystalline silica		
	Toxicity to fish	No data available
	Toxicity to daphnia and other aquatic invertebrates	No data available

**Bioaccumulative Potential**



No data available on mixture

### **Section 13 – Disposal Considerations**

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#### **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**

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**Hazardous for Shipping:** Yes

**Based on 49 CFR, IATA and IMDG:**

**UN Number:** UN1263

**UN Proper Shipping Name:** Paint

**Hazard Class:** 3

**Packing Group:** II

**Labels:** Flammable Liquid

**Placards:** Flammable Liquid

### **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
Tert Butyl Acetate	> 25%	540-88-5	No	No	Yes	Yes	Yes	No
Dimethyl, diphenyl, methyl, phenyl silicone resin	< 17%	28630-33-3	No	No	Yes	Yes	No	No
Titanium Dioxide	< 9%	13463-67-7	No	No	Yes	Yes	Yes	No
Xylene	< 7%	1330-20-7	Yes	Yes	Yes	Yes	Yes	No
PCBTF	< 7%	98-56-6	No	No	Yes	Yes	No	No
Toluene	< 5%	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes
Ethyl Acetate	< 4%	141-78-6	No	No	Yes	Yes	Yes	No
Ethyl benzene	< 2%	100-41-4	Yes	No	Yes	Yes	Yes	Yes
Crystalline silica	< 0.1%	14808-60-7	No	No	Yes	Yes	Yes	Yes

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

### **Section 16 – Other Information**

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