

# TECH LINE Coatings

## SAFETY DATA SHEET

### Section 1 – Identification

**Product Identifier:** Turbo X Black

**Part Number:** TXBK

**Recommended Use:** Exhaust and High Temperature Coating

**Restrictions on Use:**

**Manufacturer / Supplier:**

Tech Line Coatings, Inc

Keep out of reach of children.

26844 ADAMS AVE.

Industrial Use Only

MURRIETA, CA 92562

Not recommended for use on Medical equipment.

USA

Not recommended for use on Aviation equipment.

Phone 951-304-0834

Fax 951-461-9658

**Emergency Phone:** (Chemtrec) 1-800-424-9300

www.techlinecoatings.com

### Section 2 – Hazards Identification

**Signal Word:** Danger

**Symbols:**



| Hazard Statements:  | GHS Classification:                            | Category |
|---|--|----------|
| Flammable liquid and vapor  | Flammable Liquid                               | 3        |
| Harmful in contact with skin  | Acute Toxicity Dermal                          | 4        |
| Harmful if inhaled  | Acute Toxicity Inhalation                      | 4        |
| Causes skin Irritation  | Skin Irritation                                | 2        |
| Causes Serious Eye Damage   | Eye Damage                                     | 1        |
| Suspected of causing genetic defects  | Germ Cell Mutagenicity                         | 2        |
| Suspected of causing cancer   | Carcinogenicity                                | 2B       |
| Suspected of damaging fertility or the unborn child                               | Toxic to Reproduction                          | 2        |
| May cause damage to organs; brain, liver, kidney, bladder, central nervous system | Specific Target Organ Toxicity Single Exposure | 2        |
| May be fatal if swallowed and enters airways                                      | Aspiration Hazard                              | 1        |

#### 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.

If swallowed: immediately call a poison center / doctor for medical advice. Do NOT induce vomiting.

If on skin: wash with plenty of water. Call a poison center / doctor if you feel unwell or if irritation occurs. Take off all 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

| <u>Component Name</u>          | <u>Common Name / Synonyms</u> | <u>CAS#</u> | <u>% of Weight</u> |
|--------------------------------|-------------------------------|-------------|--------------------|
| Xylene                         |                               | 1330-20-7   | < 26%              |
| COPPER CHROMITE BLACK SPINEL * |                               | 68186-91-4* | < 22%              |
| Isobutyl Alcohol               | Isobutanol                    | 78-83-1     | < 11%              |
| Toluene                        |                               | 108-88-3    | < 10%              |
| Ethyl benzene                  |                               | 100-41-4    | < 5%               |
| Molybdenum disulfide           | MoS2                          | 1317-33-5   | < 5%               |

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

note:

\*This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished pigment do not necessarily reflect the properties of the component metals or oxides.

### 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><br>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  | <b>Special Fire Fighting Procedures:</b><br>Wear self contained breathing apparatus for fire fighting if necessary. |
| <b>Unusual Fire And Explosion Hazards:</b><br>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><br>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.

**Section 8 – Exposure Controls And Personal Protection**

| Component                    | ACGIH TLV                    | OSHA PEL          | NIOSH REL                                   |
|------------------------------|------------------------------|-------------------|---|
| Xylene                       | TLV: 100 ppm<br>TWA: 150 ppm | TWA: 100 ppm      | 100 ppm 10 hour shift<br>200 ppm 10 minutes |
| Copper chromite black spinel | No data available            | No data available | No data available                           |
| CHROMIUM (III) AND COMPOUNDS | 0.5 mg/m3                    | 0.5 mg/m3         | No data available                           |
| COPPER DUSTS AND MISTS       | 1 mg/m3                      | 1 mg/m3           | No data available                           |
| Isobutyl Alcohol             | TWA: 50 ppm                  | TWA: 50 ppm       | TWA: 50 ppm                                 |
| Toluene                      | TWA: 50 ppm                  | TWA: 300 ppm      | STEL: 150 ppm<br>TWA: 100 ppm               |
| Ethyl benzene                | TLV: 100 ppm<br>TWA: 125 ppm | TWA: 100 ppm      | TWA: 100 ppm                                |
| Molybdenum disulfide         | TWA 10 mg/m3                 | TWA 10 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

|   |                              |
|---|------------------------------|
| Form :  | liquid                       |
| Color :                                       | Black                        |
| 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 :                                 | > 94° 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                              | No data available on mixture |
| 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                                     | 50 centistokes at 100° F.    |
| Total VOC                                     | < 606 g/l                    |

## Section 10 – Stability And Reactivity

|  |   |
|--|---|
| <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

### Potential Health Effects

|            |   |
|------------|---|
| Inhalation | Toxic if inhaled.                                     |
| Ingestion  | May be fatal if swallowed and enters airways          |
| Skin       | Harmful in contact with skin. Causes skin irritation. |
| Eyes       | Causes Serious Eye Damage                             |

### Acute Toxicity

|        |           |  |
|--------|-----------|--|
| Xylene | Oral LD50 | mouse: LD50 = 2119 mg/kg<br>rat: LD50 = 4300 mg/kg |
|--------|-----------|--|

|                                 |  |  |
|---------------------------------|--|--|
|                                 | Inhalation LC50                        | rat: LC50 = 5000 ppm/4H  |
|                                 | Dermal LD50                            | rabbit: LD50 = >1700 mg/kg   |
| Copper chromite<br>black spinel | Oral LD50                              | LD50 Rat: > 10000 mg/kg  |
|                                 | Inhalation LC50                        | LD50 Rat: > 11.1 mg/l  |
|                                 | 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  |
| Isobutyl Alcohol                | Oral LD50                              | LD50 Oral - rat - 2,460 mg/kg<br>LD50 Oral - rat - 2,500 - 6,400 mg/kg   |
|                                 | Inhalation LC50                        | LC50 Inhalation - rat - 4 h - 8000 ppm   |
|                                 | Dermal LD50                            | LD50 Dermal - rabbit - 3,400 mg/kg<br>LD50 Dermal - rabbit - 4,240 mg/kg   |
|                                 | Other information<br>on acute toxicity | LD50 Intraperitoneal - mouse - 544 mg/kg<br>LD50 Intravenous - mouse - 417 mg/kg<br>LD50 Intraperitoneal - rabbit - 323 mg/kg<br>LD50 Intraperitoneal - guinea pig - 1,201 mg/kg<br>LD50 Intraperitoneal - Hamster - 1,401 mg/kg |
| Ethyl benzene                   | Oral LD50                              | No data available  |
|                                 | Inhalation LC50                        | No data available  |
|                                 | Dermal LD50                            | LD50 Dermal - rabbit - 15,433 mg/kg  |
| Molybdenum<br>disulfide         | Oral LD50                              | No data available  |
|                                 | Inhalation LC50                        | LC50 Inhalation - rat - 4 h - > 2,820 mg/m3<br>Remarks: Lungs, Thorax, or Respiration:Other changes.   |
|                                 | Dermal LD50                            | No data available  |

### Skin Corrosion/Irritation

Isobutyl Alcohol  
Skin - guinea pig - Mild skin irritation

Toluene  
Skin - rabbit - Skin irritation - 24 h

Copper chromite black spinel  
May be slightly irritating to skin.

All other ingredients  
No data available

### Serious Eye Damage/Eye Irritation

Isobutyl Alcohol  
Eyes - rabbit - Remarks: Moderate eye irritation

Copper chromite black spinel  
May be slightly irritating to eyes.

All other ingredients  
No data available

### Respiratory Or Skin Sensitization

Isobutyl Alcohol

Dermatitis  
All other ingredients  
No data available

### **Germ Cell Mutagenicity**

Toluene  
Genotoxicity in vitro - rat - Liver  
DNA damage  
All other ingredients  
No data available

### **Carcinogenicity**

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

Isobutyl Alcohol

Carcinogenicity - rat - Oral  
Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors. Leukaemia  
Carcinogenicity - rat - Subcutaneous  
Tumorigenic: Carcinogenic by RTECS criteria. Gastrointestinal: Tumors. Liver: Tumors.

### **Reproductive Toxicity**

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.  
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 ingredients  
No data available

### **Specific Target Organ Toxicity Single Exposure**

Isobutyl Alcohol  
Inhalation - May cause respiratory irritation.  
May cause drowsiness or dizziness.

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 ingredients  
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:

#### Xylene

Toxicity to fish

Rainbow trout: LC50 = 13.5 mg/L; 96 Hr;  
Unspecified Goldfish: LD50 = 13 mg/L; 24 Hr;  
Unspecified Fathead Minnow: LC50 = 46 mg/L; 1 Hr

Toxicity to daphnia and other aquatic invertebrates

No data available

#### Copper chromite black spinel

Toxicity to fish

No data available

Toxicity to daphnia and other aquatic invertebrates

No data available

Toxicity to algae

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

#### Isobutyl Alcohol

Toxicity to fish

LC50 - *Pimephales promelas* (fathead minnow) – 1.220 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

No Data Available

Toxicity to algae

No Data Available

#### 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

#### Molybdenum disulfide

Toxicity to fish

LC50 - *Pimephales promelas* (fathead minnow) – 609 mg Mo/L – 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - *Daphnia magna* (Water flea) - 1680 mg Mo/l - 48 h

### 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: III

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 |
|---|-------|------------|-----------|----------|---------------------|-----------------------|------------------------|-------------------------|
| Xylene  | < 38% | 1330-20-7  | Yes       | Yes      | Yes                 | Yes                   | Yes                    | No                      |
| Copper chromite black spinel                      | < 8%  | 68186-91-7 | See below |          |                     |                       |                        |                         |
| 100% CHROMIUM COMPOUND.                           |       |            | Yes       | No       | No                  | No                    | No                     | No                      |
| 100% COPPER COMPOUND                              |       |            | Yes       | No       | No                  | No                    | No                     | No                      |
| Dimethyl, diphenyl, methyl, phenyl silicone resin | < 17% | 28630-33-3 | No        | No       | Yes                 | Yes                   | No                     | No                      |
| Isobutyl Alcohol                                  | < 21% | 78-83-1    | No        | No       | Yes                 | Yes                   | Yes                    | No                      |
| Toluene   | < 12% | 108-88-3   | Yes       | Yes      | Yes                 | Yes                   | Yes                    | Yes                     |
| Ethyl benzene                                     | < 5%  | 100-41-4   | Yes       | No       | Yes                 | Yes                   | Yes                    | Yes                     |
| Molybdenum disulfide                              | < 5%  | 1317-33-5  | 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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