

TECH LINE Coatings

MATERIAL SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Black Satin (BHK)

Part Number: BHK

Recommended Use: Paint / Coating High Temperature

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc

26844 ADAMS AVE.

MURRIETA, CA 92562

USA

Phone 951-304-0834

Fax 951-461-9658

www.techlinecoatings.com

Keep out of reach of children.

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

Section 2 – Hazards Identification

Classification:

Signal Word: Danger

Symbols:

Precautionary Statements:



Flammable Liquid and Vapor

HMIS

Health 2 Flammability 3 Reactivity 0

Section 3 – Composition / Information On Ingredients

Component	CAS#	% of Weight
Xylene	1330-20-7	< 28%
Iron manganese oxide	75864-23-2	< 25%
Isobutyl alcohol	78-83-1	> 10%
Toluene	108-88-3	< 10%
Ethyl benzene	100-41-4	< 5%
Molybdenum disulfide	1317-33-5	< 5%
Crystalline silica	14808-60-7	< .1%

Components not listed above are non-hazardous or are Trade Secrets.

Section 4 – First Aid Measures

After EYE Contact:

- Immediately irrigate with plenty of water for 15 minutes. Obtain medical attention if irritation persists.

After SKIN Contact:

- Remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.

After INHALATION:

- Administer oxygen if there is difficulty in breathing. Obtain medical attention immediately if necessary.

After SWALLOWING:

- Call a physician immediately, ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

See section 11 for additional information

Notes to Physician: Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: 94°F Method: TCC	Flammable Limits LEL-: Not Established	Flammable Limits UEL-: Not Established	Stability: Stable
Extinguishing Media: Alcohol resistant foam, co2, dry chemical, dry sand. Cool closed containers exposed to fire with water spray.		Special Fire Fighting Procedures: Use full protective equipment, including self contained breathing apparatus	
Unusual Fire And Explosion Hazards: During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.		Specific Hazards Arising from the Chemical: Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.	

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	OSHA	NIOSH REL
Xylene	TLV: 100 ppm TWA: 150 ppm	TWA: 100 ppm	100 ppm 10 hour shift 200 ppm 10 minutes
Iron manganese oxide	TWA .2 MG/M3	CLV 5 MG/M3	
Isobutyl alcohol	TWA: 50 ppm	TWA: 100 ppm	50 ppm
Toluene	TWA: 50 ppm	TWA: 300 ppm	STEL: 150 ppm TWA: 100 ppm
Ethyl benzene	TLV: 100 ppm TWA: 125 ppm	TWA: 100 ppm	TWA: 100 ppm
Molybdenum disulfide	10 mg/m3	10 mg/m3	
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

Form : liquid
 Color : black
 Odor : somewhat sweet musty
 pH : Not Established
 Melting point/range : Not Established
 Initial boiling point : 172 – 355° F
 Flash point : 94° F
 Ignition temperature : Not Established
 Vapour pressure : Not Established
 Specific Gravity: 1.2
 Water solubility : poor
 Viscosity: Not Established
 Total VOC: 49.8%

SECTION 10 – STABILITY AND REACTIVITY

Stability: STABLE

Materials to avoid: See section 7

Hazardous Polymerization: Will not occur.

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

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. Formaldehyde.

SECTION 11 – TOXICOLOGICAL INFORMATION

Special Hazard information on Components

Component Name	CAS Number	Wt %	Carcinogen	Teratogens	Mutagens	Reproductive Effects
Ethylbenzene	100-41-4	< 5%	X ¹	X ²	X ³	
Toluene	108-88-3	< 10%				X ⁴

Notes

¹ IARC Group 2B – Possibly Carcinogenic to Humans.

² Evidence of teratogenicity (birth defects) in laboratory animals.

³ Genetically active in IN VIVO assay(s).

⁴ Evidence of reproductive effects in humans. Toxicology studies with laboratory animals and occupational evaluations with humans have found limited evidence of birth defects, low birth weights and delayed growth in offspring resulting from repeated exposures to toluene during pregnancy.

SECTION 12 – ECOLOGICAL INFORMATION

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

Environmental Toxicity: no data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Product : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14 – TRANSPORTATION INFORMATION

Hazardous for Shipping: Yes (ORM-D in consumer packaging)

Based on 49 CFR:

DOT Shipping Name: Paint
DOT Hazard Class: 3
DOT Labels: Flammable
UN Number: UN1263
Placards: Flammable
Packing Group: III

Air (IATA): UN1263, Paint, 3, III

SECTION 15 – REGULATIONS

Information about Limitation or Use:

Other Regulations, Limitations, and Prohibitive Regulations:

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

Component	%	CAS Number	SARA 313	SARA 304	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Xylene	< 28%	1330-20-7	Yes	Yes	Yes	Yes	Yes	
Iron manganese oxide	< 25%	75864-23-2	Yes		Yes			
Aluminum*	< .23%	7429-90-5			Yes			
Magnesium*	< .06%	7439-95-4			Yes			
Barium*	< .0375%	7440-39-3			Yes			
Copper*	< .03%	7440-50-8			Yes			
Chromium*	< .025%	7440-47-3			Yes	Yes	Yes	
Nickel*	< .015%	7440-02-0				Yes	Yes	Yes
Arsenic*	< 13 PPM	7440-38-2					Yes	
Cadmium*	< .5 PPM	7440-43-9					Yes	
Cobalt*	< .0075%	7440-48-4						Yes
Dimethyl, diphenyl, methyl, phenyl silicone resin		28630-33-3			Yes	Yes		
Toluene	< 10%	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes
Ethyl benzene	< 5%	100-41-4	Yes		Yes	Yes	Yes	Yes

* Please note that these were random sample analyses and content may vary from batch to batch.

Product Related Hazard Information:

Hazard Symbols: Flammable
Risk Phrases: Flammable
Safety Phrases: Flammable
National Regulations:

SECTION 16 – OTHER INFORMATION

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