

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

#### PRODUCT IDENTIFIER

Product Code                    **STP-1110**  
 Product Name                    **BLACK**  
 Product Category                **SATIN POSTER SERIES SCREEN INK (STP)**

#### RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use                **PRINTING OPERATION**

#### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Inktech International Corporation  
 160 Fenmar Drive,  
 Toronto, Ontario M9L 1M6  
 Tel: 1-416-743-4111  
 Fax: 1-416-743-1511

#### EMERGENCY TELEPHONE NUMBER

Chemtrec 1-613-996-6666

### SECTION 2. HAZARDS IDENTIFICATION

#### CLASSIFICATION

Acute Toxicity - Oral	Category 4 - (H302)
Acute Toxicity - Dermal	Category 4 - (H312)
Acute Toxicity - Inhalation	Category 4 - (H332)
Skin Irritation	Category 2 - (H315)
Serious Eye Damage/ Irritation	Category 2 - (H319)
Flammable Liquids	Category 3 - (H226)

#### LABEL ELEMENTS



**SIGNAL WORD:     DANGER!**

#### **HAZARD STATEMENTS**

H226     Flammable Liquid and vapor.  
 H302     Harmful if swallowed  
 H312     Harmful in contact with skin  
 H315     Causes skin irritation  
 H319     Causes serious eye irritation  
 H332     Harmful if inhaled

#### **HAZARDS NOT OTHERWISE CLASSIFIED (HNO)**

May be harmful in contact with skin.

### SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Mixture:**

COMPONENTS	WEIGHT %	CAS NO.	NOTE
CARBON BLACK	5-10	1333-86-4	
PETROLEUM NAPHTHA, HEAVY AROMATIC	10-20	64742-94-5	
PETROLEUM NAPHTHA, LIGHT AROMATIC	30-50	64742-95-6	
STODDARD SOLVENT	5-10	8052-41-3	
1,2,4 TRIMETHYLBENZENE (CONSTITUENT)	<1	95-63-6	
XYLENE (MIXED ISOMER)	<1	1330-20-7	
CUMENE (CONSTITUENT)	<1	98-82-8	
ETHYLBENZENE	<1	100-41-4	

### SECTION 4. FIRST AID MEASURES

**DESCRIPTION OF FIRST AID MEASURES**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

**Skin Contact**

Wash immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation such as redness, rash, blistering develops, get medical attention.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

**Ingestion**

**Do Not** induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control immediately.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

None under normal use conditions.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT**

**Notes to Physician:** Treat symptomatically.

### SECTION 5. FIRE FIGHTING PROCEDURE

**SUITABLE EXTINGUISHING MEDIA**

Foam, Carbon Dioxide (CO<sub>2</sub>), Dry chemical, and Water Spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA:**

No information available.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

As in any fire, wear self contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers/ tanks with water spray. Sealed containers may rupture when heated.

### SECTION 6. ACCIDENTAL RELEASE MEASURE

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin, and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

**Environmental Precautions**

Prevent products from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches. Local authorities should be notified if significant spillages cannot be contained.

**Methods and Material for Containment and Cleanup**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

## SECTION 7. HANDLING AND STORAGE

### **PRECAUTIONS FOR SAFE HANDLING**

#### **Handling**

Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Ensure adequate ventilation.

### **CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES**

#### **Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of reach of children.

#### **Incompatible Products**

Strong acids, strong bases, strong oxidizing and reducing agents.

## SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### **CONTROL PARAMETERS**

#### **Exposure Limits**

Component	ACGIH TLV	OSHA PEL
Carbon Black 1333-86-4	TWA: 3 mg/m <sup>3</sup> (inhalable fraction)	TWA: 3 mg/m <sup>3</sup>
Stoddard Solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm; 2900 mg/m <sup>3</sup>
1,2,4-Trimethylbenzene 95-63-6	TWA: 25 ppm	
Xylene (mixed isomer) 1330-20-7	TWA: 100 ppm	TWA: 100 ppm TWA: 445 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> Skin
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 445 mg/m <sup>3</sup>

Component	Ontario TWA EV	Mexico OEL (TWA)
Carbon Black 1333-86-4	TWA: 3 mg/m <sup>3</sup> (inhalable fraction)	TWA/LMPE-PPT: 3.50 mg/m <sup>3</sup> STEL/LMPE-CT: 7 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA: 50 ppm	TWA/LMPE-PPT: 50 ppm TWA/LMPE-PPT: 245 mg/m <sup>3</sup> STEL/LMPE-CT: 75 ppm STEL/LMPE-CT: 365 mg/m <sup>3</sup>
Xylene (Mixed Isomer)      1330-20-7		STEL: 150 ppm

### **APPROPRIATE ENGINEERING CONTROLS**

#### **Engineering Measures**

Provide a good standard of general ventilation. Natural ventilation is from doors, windows, etc. Controlled ventilation means air is supplied or removed by powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

### **INDIVIDUAL PROTECTION MEASURES SUCH AS PERSONAL PROTECTIVE EQUIPMENT**

#### **Eye /Face Protection:**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear suitable face shield. Ensure the eye wash stations and safety showers are close to the workstation location.

#### **Skin Protection:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent contact.

#### **Respiratory Protection:**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Viscous Liquid	<b>Appearance</b>	Colored Liquid
<b>Odor</b>	Mild	<b>Odor Threshold</b>	No information Available
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
PH		No Data Available	
Melting Point/ Freezing Point		No Data Available	
Boiling Point/ Boiling Range	> 163 °C/ 325 °F		
Flash Point	40 °C/ 104 °F	Penskey Martens Closed Cup (PMCC)	
Evaporation Rate		No Data Available	
Flammability Limit in Air			
Upper Flammability Limit (% vol)		No Data Available	
Lower Flammability Limit (% vol)		No Data Available	
Vapor Pressure		No Data Available	
Vapor Density	(Air=1) 4.5		
Specific Gravity		No Data Available	
Water Solubility		No Data Available	
Solubility in Other Solvents		No Data Available	
Partition Coefficient: N-Octanol/ Water		No Data Available	
Auto Ignition Temperature		No Data Available	
Decomposition Temperature		No Data Available	
Kinetic Viscosity		No Data Available	
Dynamic Viscosity		No Data Available	
Explosive Property		No Data Available	
Oxidizing Property		No Data Available	

### SECTION 10. STABILITY AND REACTIVITY

#### Reactivity

No information Available

#### Chemical Stability

Stable under normal condition

#### Possibility of Hazardous Reactions

None under normal processing

#### Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition

#### Incompatible Materials

Strong acids, strong bases, reducing agent.

#### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors, Carbon Dioxide (CO<sub>2</sub>), Carbon Monoxide.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on Likely Routes of Exposure

Inhalation	There is no data for this product
Eye Contact	There is no data for this product
Skin Contact	There is no data for this product
Ingestion	There is no data for this product

Component	CAS No.	Oral LD50
Carbon Black	1333-86-4	>15400 mg/kg (Rat)
Petroleum Naphtha, Light Aromatic	64742-95-6	8400 mg/kg (Rat)
Petroleum Naphtha, Heavy Aromatic	64742-94-5	3000 mg/kg (Rat)
Stoddard Solvent	8052-41-3	>5000 mg/kg (Rat)
1,2,4- Trimethylbenzene (Constituent)	95-63-6	3400 mg/kg (Rat)
Cumene (Constituent)	98-82-8	2910 mg/kg (Rat)
Xylene (mixed Isomer)	1330-20-7	3523 mg/kg (Rat)
Ethylbenzene	100-41-4	3500 mg/kg (Rat)

Component	CAS No.	LD50 Dermal
Carbon Black	1333-86-4	>3 g/kg (Rabbit)
Petroleum Naphtha, Light Aromatic	64742-95-6	>2000 mg/kg (Rabbit)
Petroleum Naphtha, Heavy Aromatic	64742-94-5	>2000 mg/kg (Rabbit)
Stoddard Solvent	8052-41-3	>3000 mg/kg (Rat)
Xylene (mixed Isomer)	1330-20-7	>4200 mg/kg (Rabbit)
1,2,4- Trimethylbenzene (Constituent)	95-63-6	>3160 mg/kg (Rabbit)
Cumene (Constituent)	98-82-8	>3160 mg/kg (Rabbit)
Ethylbenzene	100-41-4	15,400 mg/kg (Rabbit)

Component	CAS No.	Inhalation LC50
Petroleum Naphtha, Light Aromatic	64742-95-6	3400 ppm (Rat) 4h >5.2 mg/L (Rat) 4h
Petroleum Naphtha, Heavy Aromatic	64742-94-5	>590 mg/m <sup>3</sup> (Rat) 4h
Stoddard Solvent	8052-41-3	>5.5 mg/L
1,2,4- Trimethylbenzene (Constituent)	95-63-6	18 g/m <sup>3</sup> (Rat) 4h
Xylene (mixed Isomer)	133020-7	6700ppm (Rat) 4h
Cumene (Constituent)	98-82-8	39000 mg/m <sup>3</sup> (Rat) 4h
Ethylbenzene	100-41-4	4000 ppm (Rat) 4h

### Information on Toxicological Effects

#### Symptoms

There is no data for this product.

#### Delayed and Immediate Effects as well as Chronic Effects from Short and Long Term Exposure.

Skin Corrosion/ Irritation	There is no data for this product.
Eye Damage/ Irritation	There is no data for this product.
Irritation	There is no data for this product.
Corrositivity	There is no data for this product.
Sensitization	There is no data for this product.
Mutagenic Effects	There is no data for this product.
Reproductive Effects	There is no data for this product.
STOT – Single exposure	There is no data for this product.
STOT- Repeated Exposure	There is no data for this product.
Chronic Toxicity	There is no data for this product.
Aspiration Hazard	There is no data for this product.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No.	IARC	ACGIH	OSHA
Carbon Black	1333-86-4	Group 2B	A3	x
Cumene (Constituent)	98-82-8	Group 2B		x
Ethylbenzene	100-41-4	Group 2B		

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** None known

Component	CAS No.	Algae/ Aquatic Plants
Carbon Black	1333-86-4	72 h EC50 Scenedesmus Subspicatus: 10,000 mg/L
Cumene (constituent)	98-82-8	72 h EC50 Pseudokirchneriella Subcapitata: 2.6 mg/L
Stoddard Solvent	8052-41-3	72 h EC50 : 0.58-1.2 mg/L
Xylene (mixed Isomer)	1330-20-7	72 h EC50 Selenastrum Capricornutum: 2.2 mg/l

Component	CAS No.	Fish
Carbon Black	1333-86-4	96 h EC50 Brachydanio Rerio: 1000 mg/L
Petroleum Naphtha, light aromatic	64742-95-6	96 h LC50 Oncorhynchus Mykiss: 9.22 mg/L
1,2,4- Trimethylbenzene (constituent)	95-63-6	96 h LC50 Pimephales Promelas: 7.19-8.28 mg/L (flow-through)
Cumene (constituent)	98-82-8	96 h LC50 Pimephales Promelas: 6.04-6.61 mg/L (flow-through) 96 h LC50 Oncorhynchus Mykiss: 2.7 mg/L (semi-static) 96 h LC50 Oncorhynchus Mykiss: 4.8 mg/L (flow through) 96 h LC50 Poecilia Reticulata: 5.1 mg/L (semi-static)
Stoddard Solvent	8052-41-3	96 h LC50 Bluegill Sunfish: 2.1-4.2 vmg/L
Xylene (mixed Isomer)	1330-20-7	96 h LC50 Oncorhynchus Mykiss: 2.6 mg/l
Ethylbenzene	100-41-4	96 h LC50 Sheepshead Minnow: 275 mg/l 96 h LC50 Flathead Minnow: 42.3-48.5 mg/l 96 h LC50 Guppy: 97.1 mg/l

Component	CAS No.	Crustacea
Carbon Black	1333-86-4	24 h EC50 Daphnia Magna: >5600 mg/L
1,2,4- Trimethylbenzene (constituent)	95-63-6	48 h EC50 Daphnia Magna: 6.14 mg/L
Cumene (constituent)	98-82-8	48 h EC50 Daphnia Magna: 7.9-14.1 mg/L (static) 48 h EC50 Daphnia Magna: 0.6 mg/L
Stoddard Solvent	8052-41-3	48 h EC50 Water Flea: 0.42-2.3 mg/L
Xylene (mixed Isomer)	1330-20-7	24 h EC50: Water Flea: >3.4 mg/l

#### Persistence and Degradability

No information Available

#### Bioaccumulation

No information Available

Component	CAS No.	Partition Coefficient
Petroleum Naphtha, Heavy aromatic	64742-94-5	4.5
Stoddard Solvent	8052-41-3	3.16-7.06
1,2,4-Trimethylbenzene (constituent)	95-63-6	3.63
Cumene (constituent)	98-82-8	3.55
Xylene (mixed Isomer)	1330-20-7	3.12

**Other Adverse Effects:** No information available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Waste Treatments Methods**

Waste Disposal Methods      Contain and dispose of waste according to local regulations.  
 Contaminated Packaging      Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14. TRANSPORT INFORMATION

**DOT** In US and Canada, this material can be reclassified as a combustible liquid and is not regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150 (f)] [ per Transportation of Dangerous Goods Regulations Part 1.33].

**UN/ID No:** UN1210  
**Proper Shipping name:** Printing Ink  
**Hazard Class:** 3  
**Packing Group:** III  
**ICAO/ IATA/ IMDG/ IMO**

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### SECTION 15. REGULATORY INFORMATION

#### **International Inventories**

All components are listed on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/ downstream user/ distributor).

#### **US Federal Regulations**

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Component	CAS NO.	Weight %	SARA 313 Threshold Values
1,2,4, Trimethylbenzene (constituent)	95-63-6	1-5	1.0
Cumene (constituent)	98-82-8	<1	1.0
Xylene (mixed Isomer)	1330-20-7	<0.1	1.0
Ethylbenzene	100-41-4	<0.5	0.1

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous pollutants (HAPS) under section 112 of the Clear Air Act.

Component	CAS NO.	Weight %
Cumene (constituent)	98-82-8	<1
Xylene (mixed Isomer)	1330-20-7	<0.1
Ethylbenzene	100-41-4	<0.5

#### **U.S. State Regulations**

Component	CAS NO.	Massachusetts Right to Know	Minnesota Right to Know
Carbon Black	1333-86-4	x	x
Stoddard Solvent	8052-41-3	x	x
1,2,4-Trimethylbenzene (constituent)	95-63-6	x	x
Cumene (constituent)	98-82-8	x	x
Ethylbenzene	100-41-4	x	x

Component	CAS NO.	New Jersey Right to Know	Pennsylvania Right to Know
Carbon Black	1333-86-4	x	x
Stoddard Solvent	8052-41-3	x	x
1,2,4-Trimethyl Benzene (constituent)	95-63-6	x	x
Cumene (constituent)	98-82-8	x	x
Ethylbenzene	100-41-4	x	x

**California Prop. 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Component	California Prop. 65
Carbon Black	Carcinogen
Cumene (constituent)	Carcinogen
Ethylbenzene	Carcinogen

**Canada**

Component	NPRI – National Pollutant Release Inventory
Petroleum Naphtha, Light Aromatic 64742-95-6	Part 5. Other Groups and Mixtures
Petroleum Naphtha, Heavy Aromatic 647-42-94-5	Part 5. Other Groups and Mixtures. Part 4 Substances as set out in Section 65 of the List of Toxic Substance in Schedule 1 of the Canadian Environmental Protection Act 1999
1,2,4 Trimethylbenzene (constituent) 95-63-6	Part 1. Group A substance, Part 5 Individual Substance, Part 4, Substances as set out in Section 65 of the List of Toxic Substance in Schedule 1 of the Canadian Environmental Protection Act 1999
Cumene (constituent) 98-82-8	Part 1. Group A substance, Part 5 Individual Substance, Part 4, Substances as set out in Section 65 of the List of Toxic Substance in Schedule 1 of the Canadian Environmental Protection Act 1999
Ethylbenzene 100-41-4	Part 1. Group A substance, Part 5 Individual Substance, Part 4, Substances as set out in Section 65 of the List of Toxic Substance in Schedule 1 of the Canadian Environmental Protection Act 1999
Xylene (Mixed Isomer) 1330-20-7	Part 5. Other Groups and Mixtures

**SECTION 16. OTHER INFORMATION**

<b>HMIS</b>	Health 2*	Flammability 2	Reactivity 0	Personal Protection x
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**Key or legend to abbreviations and acronyms used in safety data sheet.****Legend – Section 8: Exposure Controls/Personal Protection**

TWA Time Weighted Average

STEL Short Term Average

Ceiling Maximum Limit Value

**ACGIH** American Conference of Governmental Industrial Hygienist

A1 Known Human Carcinogen

A2 Suspended Human Carcinogen

A3 Animal Carcinogen

**IARC International Agency for Research on Cancer**

Group 1 Carcinogenic to Humans

Group 2A Probably Carcinogenic to Humans

Group 2B Possibly Carcinogenic to Human

**NTP National Toxicity Program**

Known Known Carcinogen

Reasonably Anticipated to be a Human Carcinogen

**OSHA**      **Occupational Health and Safety Administration**  
X            Present

**Date**        JUN. 15, 2019

**DISCLAIMER**

This information provided in this Safety Data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of SDS**