

**SECTION 1: IDENTIFICATION**

**Product Identifier:** Black Matrix INK (BK03) – P/N 260411-001  
**Product Code(s):** INK6175  
**Product Use:** **Printronix P/N**  
 260234-001, 260234-002, 260231-401  
**Chemical Family:** Mixture  
**Manufacturer’s name and address:** Printronix Inc.  
 7700 Irvine Center Drive, Suite 700  
 Irvine, CA 92618 USA  
**Information Telephone #:** 1 (714) 368-2300  
**24 Hr. Emergency Telephone #:** CHEMTREC at 1-919-770-7984 or International at 1-919-770-6019.

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**  
 This product is not classified according to the Globally Harmonized System (GHS)

**Label elements**  
**GHS label elements** Not Required  
**Hazard pictograms** Not Required  
**Signal word** Not Required  
**Hazard statements** Not Required

**Classification system:**  
**NFPA ratings**



Health = 0  
 Fire = 1  
 Reactivity = 0

**HMIS ratings**



Health = 0  
 Fire = 1  
 Reactivity = 0

**Other hazards**

**Results of PBT and vPvB assessment:**  
**PBT** Not applicable  
**vPvB** Not applicable

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS #	Wt. %
Carbon Black(bound)	1333-86-4	2.5 - 10
Oleic Acid, mono ester with pentaerythritol		25 - 50
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10 - 25
Solvent Black 7	8005-02-5	10 - 25
Fatty Acid	8016-28-2	2.5 - 10
Bis(2-propylheptyl) phthalate		2.5 - 10
Tryglycerides		2.5 - 10
Solvent violet 8		2.5 - 10
C. I. Solvent Orange 3		< 2.5
Oxidized fish oil		< 2.5
Pigment Blue		< 2.5

**SECTION 4: FIRST AID MEASURES**

**General information:** No special measures required.

**Inhalation:** Supply fresh air. Seek immediate medical attention/advice in case of complain.

**Skin contact:** Immediately flush with plenty of water and water. Generally the product does no irritate the skin.

**Eye contact:** Flush eyes with water for several minutes while holding eyelids open. When symptoms persist, seek medical advice.

**Ingestion:** Drink copious amounts of water and provide fresh air. Seek immediate medical attention/advice.

**Notes for physician:** Treat symptomatically. No further relevant information available.

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Extinguishing powder, carbon dioxide and water spray. Fight larger fires with water spray or alcohol resistant foam.

**Fire hazards/conditions of flammability:** This material is not flammable.

**Special hazards arising from substance or mixture:** Like most finely divided organic powders, toner dust may form an explosive mixture in air.

**Special fire-fighting procedures/equipment:** Firefighters should wear protective equipment and self-contained breathing apparatus.

**NFPA Rating:**



Health: \* 0

Flammability: 1

Reactivity: 0

Special Hazards: 0

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear appropriate protective equipment. Keep unprotected person away.
<b>Environmental precautions:</b>	Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or groundwater.
<b>Spill response/cleanup:</b>	Contain and absorb spilled liquid with liquid-binding material (e.g. sand, diatomite, acid binders, universal binders, sawdust), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required. Ensure adequate ventilation. Vacuum or sweep material into a sealed container. If a vacuum is used, it must be dust explosion-proof. Dispose of in compliance with national, state, regional or provincial regulations.
<b>Prohibited materials:</b>	None specific
<b>Special spill response procedures:</b>	In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887.

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	No special measures required. Store in cool, dry place. Keep away from heat and direct sunlight. Ensure good ventilation at workplace. Open and handle with care. Prevent formation of aerosols.
<b>Protection against explosions and fires:</b>	Keep ignition source away – Do not smoke. Keep respiratory protective device available.
<b>Conditions for safe storage:</b>	Store in a cool, dry, well-ventilated area. Store only the original packaging. Inspect periodically for damage or leaks.
<b>Incompatible materials:</b>	Do not store together with oxidizing and acidic materials as well as heavy-metal compound.
<b>Special packaging materials:</b>	Keep the packaging/container tightly sealed.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Components with workplace control parameters:**

Component	CAS No.	Value	Control Parameters	Source
Carbon Black	1333-86-4	PEL	3.5 mg/m <sup>3</sup>	USA ACGIH Threshold Limit Values (TLV)
		REL	3.5 mg/m <sup>3</sup>	*0.1 in presence of PAHs; See Pocket Guide Apps.A+C
		TLV	3 mg/m <sup>3</sup>	USA OSHA Table Z-1 Limits for Air Contaminants

**Additional Occupational Exposure Limit Values for possible hazards during processing:**

USA OHSA(TWA/PEL): 15mg/m<sup>3</sup> (Total Dust), 5 mg/m<sup>3</sup> (Respirable Fraction)  
 ACGIH (TWA/TLV): 10mg/m<sup>3</sup> (Inhalable Particulate), 3 mg/m<sup>3</sup> (Respirable Particulate)  
 Amorphous Silica : USA OSHA(TWA/PEL): 20mppcf 80mg/m<sup>3</sup>, ACGIH(TWA/TLV): 10mg/m<sup>3</sup>  
 TRGS 900 (Luftgrenzwert): 10mg/m<sup>3</sup> (Einatembare partikel), 3 mg/m<sup>3</sup> (Alveolengangige fraktion)  
 UK WEL : 10mg/m<sup>3</sup> (Respirable Dust), 3 mg/m<sup>3</sup> (Inhalable Dust)

**Additional information :** The lists that were valid during the creation were used as basis.

- Exposure controls
- Personal protective equipment

**Breathing equipment:**

In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

**Protection of hands:**



Protective gloves

Selection of glove material on consideration of the penetration times, rates of diffusion and degradation. The exact breakthrough time must be referred to the protective glove manufacturer and must be observed.

**Eye / face protection:**



Tightly sealed goggles

**Other protective equipment:**

As needed to prevent eye contact and minimizing skin contact and inhalation.

**General hygiene considerations:**

Avoid breathing vapor or mist. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Black liquid
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	N/A
<b>pH:</b>	Not applicable
<b>Boiling point:</b>	Undetermined
<b>Melting/Freezing point:</b>	Undetermined
<b>Coefficient of water/oil distribution:</b>	Not available
<b>Vapor pressure (mm Hg @ 20°C / 68°F):</b>	Not available
<b>Vapor density (Air = 1):</b>	SG: 1.3-1.8
<b>Evaporation rate (n-Butyl acetate = 1):</b>	Not determined
<b>Solubility in water:</b>	Not miscible or difficult to mix
<b>Flash Point</b>	Not applicable
<b>Auto-ignition temperature</b>	Product not self-igniting
<b>Danger of explosion</b>	Product does not present and explosion hazard in its original state
<b>Solvent content: Organic solvent</b>	0.0 %
<b>VOC content</b>	0.0 g/l 0.00 lb/gl
<b>Solid content</b>	99.7 %

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Non-reactive.
<b>Chemical stability:</b>	No decomposition under the recommended storage and handling conditions prescribed.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions are known.
<b>Conditions to avoid:</b>	No further relevant information available.
<b>Materials to avoid and incompatibility:</b>	No further relevant information available.
<b>Hazardous decomposition products:</b>	No hazardous combustion products known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute toxicity:**

**Primary irritant effect:**

*Skin contact:* No toxic irritating effect, according to Directive 67/548/EEC or Directive 19945/EC

*Eye contact:* No toxic irritating effect, according to Directive 67/548/EEC or Directive 19945/EC

*Sensitization:* No toxic sensitizing effect, according to Directive 67/548/EEC Directive 19945/EC

**Additional toxicological information**

The product does not have any harmful effects when to be used and handled according to the specification.

**Carcinogenic status:**

This product contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification.

Carbon Black(bound)	IARC:	2 – Group 2: Not classifiable as to its carcinogenicity to humans
	NTP:	No component of this product is listed as a known or anticipated carcinogen by NTP.
	OSHA:	No component of this product is listed as a known or anticipated carcinogen by OSHA.

**Reproductive effects:**

No information found

**Teratogenicity:**

No information found

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Persistence & Degradability:** No further relevant information available.

**Bioaccumulation potential:** No further relevant information available.

**Ecotoxicological effects:** Harmful to fish.

**Additional ecological information:**

**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.  
Do not allow products to reach ground water, water course or sewage system. Harmful to aquatic organisms.

**Results of PBT and vPvB assessment:**

**PBT** Not applicable  
**vPvB** Not applicable

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment recommendations:** Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:** Disposal must be made according to regulations.

**SECTION 14: TRANSPORT INFORMATION**

<b>UN-Number</b> <b>DOT, ADR, ADN, IMDG, IATA</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID or ICAO/IATA Void
<b>UN proper shipping name</b> <b>DOT, ADR, ADN, IMDG, IATA</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID or ICAO/IATA Void
<b>Transport hazard class(es)</b> <b>DOT, ADR, ADN, IMDG, IATA</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID or ICAO/IATA Void
<b>Packing group</b> <b>DOT, ADR, ADN, IMDG, IATA</b>	Not a regulated material under the United States DOT, IMDG, ADR, RID or ICAO/IATA Void
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions for user:</b>	Not applicable
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable
<b>UN "Model Regulation"</b>	Void

**SECTION 15: REGULATORY INFORMATION**

**SARA 355:** Sec. 355, Extremely Hazardous Substances, 40 CFR 355: None of the ingredients is listed.

**SARA 313 :** Sec 313, Specific toxic chemical listings: None of the ingredients is listed.

<b>TSCA (Toxic Substances Control Act):</b>	
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
8005-02-5	Solvent Black 7
8016-28-2	Fatty Acid
1333-86-4	Carbon black (bound)

**US State “Right to Know” Laws:**

**California Proposition 65:**

**Chemical known to cause cancer:**

Carbon black CAS No. 1 3 3 3 - 8 6 - 4

**Chemical known to cause reproductive toxicity to females:** None of the ingredients is listed.

**Chemical known to cause reproductive toxicity to males:** None of the ingredients is listed.

**Chemical known to cause developmental toxicity:** None of the ingredients is listed.

**Carcinogenic categories:**

**EPA (Environmental Protection Agency):** None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH):** 1333-86-4 Carbon black (bound) - A4.

**NIOSH-Ca (National Institute for Occupational Safety and Health):** 1333-86-4 Carbon black (bound)

**GHS label elements:** Void  
**Hazard pictograms:** Void  
**Signal word:** Void  
**Hazard Statements:** Void

**Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

**Chemical safety assessment:** A Chemical safety assessment has not been carried out.



**SECTION 16: OTHER INFORMATION**

**HMIS Rating:** Health: \*0 Flammability: 1 Reactivity: 0



\*Chronic hazard      0 – Minimal      1 - Slight      2 - Moderate      3 – Serious      4- Severe

- Legend:**
- ACGIH      American Conference of Governmental Industrial Hygienists
  - CAS      Chemical Abstract Services
  - CFR      Code of Federal Regulations
  - DOT      US Department of Transportation
  - EPA      Environmental Protection Agency
  - IATA      International Air Transport Association
  - IMDG      International Maritime Code of Dangerous Goods
  - HMIS      Hazardous Material Identifications System
  - IARC      International Agency for Research on Cancer
  - Inh      Inhalation
  - NFPA      National Fire Protection Association
  - NIOSH      National Institute of Occupational Safety and Health
  - NTP      National Toxicology Program
  - OSHA      Occupational Safety and Health Administration
  - PBT      Persistent, Bioaccumulative and Toxic
  - PEL      Permissible exposure limit
  - REL      Recommended exposure limit
  - RTECS      Registry and Toxic Effects of Chemical Substances
  - SARA      Superfund Amendments and Reauthorization Act
  - TDG      Canadian Transportation of Dangerous Goods Act and Regulations
  - TLV      Threshold Limit Values
  - TSCA      Toxic Substances Control Act
  - TWA      Time Weighted Average
  - vPvB      Very Persistent and very Bioaccumulative
  - VOC      Volatile Organic Compound

Date of preparation      5/5/2024

With reference to Safety Data Sheet from the BK03 Black Ink manufacturer, Static Control Components Inc. (North Carolina, USA) under product trade name INK6175 Matrix Black 3% released on 3/12/2017.

The 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.