

Revision Date: October 21, 2015

SECTION 1:	IDENTIFICATION
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Product Identifier: Black Ink – P/N 150120K
Product Code(s): 150120K
Product Use: 086043, 086043-4P & 972011-002
Chemical Family: Mixture


Manufacturer’s name & address: Printronix LLC
 6440 Oak Canyon, Suite 200
 Irvine, CA 92618

Information Telephone #: 1 (714) 368-2300 (Monday - Friday 8:00 am - 5:00 pm Pacific Standard Time)

24 Hr. Emergency Telephone #: Chemtrec 1-800-424-9300 (Within Continental U.S.)
 Chemtrec 1-7030527-3887 (Outside U.S.)

SECTION 2:	HAZARDS IDENTIFICATION
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Classification: Skin irritation Category 2

Labeling: **Symbols:** 

Signal Word: Warning

Hazard Statements: H315 Causes skin irritation

Precautionary Statements:

- P281 - Use personal protective equipment as required
- P262 - Do not get in eyes, on skin, or on clothing
- P261 - Avoid breathing mist/vapor/spray
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P301 + 312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P305 + 351 - IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
- P362 - Take off contaminated clothing and wash before reuse
- P501 - Dispose of contents/ container to an approved waste disposal facility

SECTION 3:	COMPOSITION/ INFORMATION ON INGREDIENTS
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<u>Ingredient</u>	<u>CAS#</u>	<u>Wt. %</u>	<u>GHS Classification</u>	<u>Hazard Statements</u>
ts Oleic	112-80-1	10 - 30	Skin irritation (cat. 2)	H315

SECTION 4:	FIRST AID MEASURES
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Eye Contact Rinse eyes thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water.

Inhalation Move to fresh air .Seek medical attention/advice.

Ingestion DO NOT INDUCE VOMITING. Seek immediate medical attention/advice.
Never give anything by mouth to an unconscious person.
If vomiting occurs spontaneously, keep victims head lowered (forward) to reduce the risk of aspiration.

Notes to physician Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide and water fog.

Fire Hazards/conditions: This material is not flammable

Firefighting Equipment: Wear self-contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards: None known to be associated with this product.

Hazardous combustion products: Oxides of carbon and nitrogen, irritating fumes and heavy black smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin and eyes. Wear goggles, gloves, arm covers and other personal protective gear. Ensure adequate ventilation.

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment. Dam up. Cover liquid spill with papers, kitty litter, or other absorbent material. Place in suitable container for disposal. Clean contaminated surface thoroughly.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment during handling.
Avoid contact with skin, eyes, and clothing. Do not ingest.
Wash thoroughly after handling.

Storage Conditions Store in a cool, dry, well-ventilated area.
Keep in properly labeled containers.
Store away from incompatibles, temperature extremes and out of direct sunlight. Inspect periodically for damage or leaks.
Store in accordance with the particular national regulations.
Store in accordance with local regulations.

Incompatible products Strong oxidizing agents; strong reducing agents; acids

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure controls

Engineering Measures Eyewash stations in work area. General or local exhaust ventilation

to maintain air concentrations below recommended exposure limits.

Individual Protection measures, such as personal protective equipment

Eye/face Protection	If splashes are likely to occur, wear: Face-shield. Goggles.
Skin and body protection	Wear protective gloves, clothing and footwear to prevent skin contact.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
Hygiene measures	Do not eat, drink, or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear personal protective gear. Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practices.

SECTION 9:	PHYSICAL AND CHEMICAL PROPERTIES
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Physical state:	Liquid
Appearance:	Viscous Black Liquid
Odor:	Mild
Odor Threshold:	N/Av
<u>Property</u>	<u>Values</u>
pH	not applicable
Melting/Freezing point	not available
Boiling point/boiling range point	> 300 F flash > 200 F, TCC
evaporation rate	No data available
Flammability	No data available
Vapor Pressure	No information available
Solubility	Water insoluble
Specific Gravity/Density	0.98
Autoignition temperature	No data available
Viscosity	1600 cps
Explosive properties	No data available

SECTION 10:	STABILITY AND REACTIVITY
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Chemical stability:	Stable under recommended storage conditions.
Materials to avoid:	Strong acids, oxidizing agents
Reactivity:	Stable under normal conditions.
Conditions to avoid:	Avoid heat, open flames, extremes of temperature and direct sunlight
Hazardous Combustion Products:	CO ₂ , CO
Hazardous Polymerization:	None known; See Hazardous combustion products in Section 5.

SECTION 11:	TOXICOLOGICAL INFORMATION
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Information on likely routes of exposure

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes
Skin Contact	Avoid contact with skin
Ingestion	Not an expected route of exposure. Do not taste or swallow.
<u>Toxicological data:</u>	There is no information available for the mixture itself, only for the ingredients. See below for individual ingredient toxicity data.

<u>Ingredient</u>	<u>Oral, rat</u>	<u>Skin irritation, Human</u>	<u>Eye damage/eye irritation</u>
Oleic acid	74,000 mg/kg	Skin- Human Skin irritation - 3 d	Eyes - Rabbit Mild eye irritation
Carcinogenicity		No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed carcinogen by IARC, ACGIH, NTP of OSHA.	
Reproductive toxicity:		No information found; this material has not been evaluated as a mixture.	
Teratogenicity:		No information found; this material has not been evaluated as a mixture.	
Mutagenicity:		No information found; this material has not been evaluated as a mixture.	
Specific target organ systemic toxicity (repeated exposure)		No information found; this material has not been evaluated as a mixture.	

SECTION 12:	ECOLOGICAL INFORMATION
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Ecotoxicity No data is available on the mixture itself.

Oleic acid: Toxicity to Pimephales promelas fish: LC 50 205 mg/l 96 hrs

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Other adverse environmental effects: The ecological characteristics of this mixture have not been fully studied.

SECTION 13:	DISPOSAL CONSIDERATIONS
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Waste Disposal Methods Should not be released into the environment or into waterways. Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Do not re-use empty containers. Do not expose to marine life. Dispose of in accordance with local regulations.

SECTION 14:	TRANSPORT INFORMATION
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DOT	Not regulated. Not classified as hazardous
UN/ IATA	Not regulated
ICAO/IATA-DGR	Not classified as Dangerous Goods.
IMDG	Not regulated
ADR	Not classified as hazardous

SECTION 15:	REGULATORY INFORMATION
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Inventory Status: All listed ingredients appear on the TSCA inventory, EINECS/ELINCS, AICS, PICCS, IECS, NZIoC, and DSL.

This material is classified as hazardous under OSHA regulations (29CFR 19410.1200). See Section 2.

SARA TITLE III: 311/312 Acute Health Hazard

SARA TITLE III: This mixture does not contain any chemical components with known CAS numbers that exceed the Threshold (De Minimis) reporting levels established

by SARA Title III, Section 313.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under CERCLA 40 CFR 302 or the SARA 40 CFR 355.

RCRA CODE: None

Hazardous Air Pollutants (HAPS): None

CALIFORNIA PROPOSITION 65: This product contains no ingredients known by the state of California to be carcinogenic.

Other US State Right to Know Lists:

The following chemicals are specifically listed by individual states: Oleic acid (PA, NJ)

SECTION 16:	OTHER INFORMATION
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HMIS Health Hazard: 1 Flammability: 1 Physical Hazard: 0

Legend:	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS	Chemical Abstract Services
	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of
	CFR	Code of Federal Regulations
	HMIS	Hazardous Material Identification System
	IARC	International Agency for Research on Cancer
	SARA	Superfund Amendments and Reauthorization Act
	TLV	Threshold Limit Values
	TSCA	Toxic Substances Control Act

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