



SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product number: 6696

Product description: Black 0% Matrix Ink

Product use: Liquid oil based ink typically used for nylon fabric based impact printer ribbons

Company identification: Ink Technology Corporation
18320 Lanken Avenue
Cleveland, Ohio 44119
Phone: 216-486-6720, 800-633-2826
Fax: 216-486-6003

In case of emergency: 24 hour CHEMTREC 1-800-424-9300 / International 1-703-527-3887

SECTION 2 – HAZARDS IDENTIFICATION

GHS classification of mixture:

Acute aquatic toxicity (Category 3)
Chronic aquatic toxicity (Category 3)

GHS label elements:

Warning
H412 Harmful to aquatic life with long lasting effects

Precautionary statements

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment
P280 Wear protective gloves/eye protection.
P313 + P332 If skin irritation occurs: Get medical advice/attention
P313 + P337 If eye irritation persists: Get medical advice/attention

Supplemental hazard information

None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	EC Number	% by weight
Solvent Orange 3 Dye	495-54-5	207-803-7	<1%

SECTION 4 – FIRST AID MEASURES

First aid procedures:

Eye Contact: Flush eyes thoroughly with water. Seek medical attention if irritation persists.

Skin Contact: For prolonged skin contact, wash the affected area with mild soap and water. Remove and launder contaminated clothing before reuse.

Ingestion: If ingested, DO NOT induce vomiting. Seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use foam, CO₂, or dry chemical.

Unsuitable extinguishing media: High pressure water jet.

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Special hazards in case of fire:	Treat as oil fire. Spray water to cool closed containers to prevent pressure buildup and possible auto ignition on exposure to extreme heat.
Hazardous combustion products:	Carbon monoxide, carbon dioxide, smoke.
Firefighting equipment/instructions:	Wear self-contained breathing apparatus when fighting fire in confined area. Do not use water.
Flammability Classification:	Not a flammable liquid.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate gloves to avoid staining hands.

Environmental precautions: Prevent spills from entering storm sewers or drains.

Method and material for containment and cleaning up:

Small spills: Soak up with paper or other absorbent material.

Large spills: Contain and collect with dry inert absorbent material.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Avoid prolonged contact with skin.

Conditions for safe storage: When not in use keep containers closed in ambient storage conditions.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Time weighted average for oil mist - 5mg/M³ 8 hours (ACGIH TLV, OSHA PEL)

Exposure controls

Appropriate engineering controls: Mechanical (general) ventilation is acceptable.

Personal Protective Equipment: Protective gloves recommended for prolonged or repeated contact. For eye protection, safety goggles or glasses with side shields are recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black colored liquid
Odor:	Slightly pungent odor
Odor threshold:	No data available
pH:	Not relevant
Melting point/freezing point:	<0°C (32°F)
Initial boiling point and boiling range:	Not relevant
Flash Point:	>260°C° (500°F) COC
Evaporation rate:	No data available
Flammability (solid, gas):	No data available



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Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.95 @ 25°C
Water solubility:	Insoluble
Partial coefficient: n-octanol/water:	No data available
Auto ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	600 – 3800 cps.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal temperatures and pressures
Possibility of hazardous reactions:	None known
Conditions to avoid:	None known
Incompatible materials:	Oxidizing agents.
Hazardous decomposition products:	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:	No known significant effects or critical hazards
Skin corrosion/irritation:	Prolonged skin contact may cause skin irritation
Serious eye damage/irritation:	No known significant effects or critical hazards
Respiratory or skin sensitization:	No known significant effects or critical hazards
Germ cell mutagenicity:	No known significant effects or critical hazards
Carcinogenicity:	No known significant effects or critical hazards
Reproductive toxicity:	No known significant effects or critical hazards
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available



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Routes of exposure

Inhalation	No known significant effects or critical hazards
Skin	Repeated exposure may cause skin irritation.
Eyes	May cause discomfort.
Ingestion	Material can be aspirated into lungs causing harm.

SECTION 12 – ECOLOGICAL EFFECTS

Toxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available
Other information:	None

SECTION 13 – DISPOSAL INFORMATION

Waste treatment methods:

Product: Contact a licensed professional waste disposal service to dispose of this material in accordance with applicable local, state, and national environmental regulations. Do not contaminate the ground or water with waste.

Contaminated packaging: Completely empty container and dispose of properly as unused product

SECTION 14 – TRANSPORT INFORMATION

Not a regulated article under ADR/RID, DOT, IATA, or IMDG.

SECTION 15 - REGULATORY INFORMATION

United States

SARA 311/312 Classification:

Immediate (acute) health effects

<u>Chemical Name:</u>	<u>CAS No.</u>	<u>% BY WEIGHT</u>
Trimethyl-1,3 Pentanediol, diisobutyrate	6846-50-0	6-10%

Delayed (chronic) health effects

<u>Chemical Name:</u>	<u>CAS No.</u>	<u>% BY WEIGHT</u>
*Severely hydro-treated naphthenic distillate (High viscosity)	64742-52-5	12-16%

*Contains less than 3% DMSO extract as measured by IP346. Classification as a carcinogen does not apply.

SARA 313 Classification:

This product does not contain any substances subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

California Proposition 65:

This product contains trace amounts of listed substances which the state of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

<u>Chemical Name:</u>	<u>CAS No.</u>	<u>% BY WEIGHT</u>
Aniline	62-53-3	<0.09



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Michler's Ketone

90-94-3

<0.02

Ozone Depleting Chemicals: No regulated ingredients.

RoHS Directive:

This ink does not contain any RoHS materials. These materials include lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls (PBB) or poly brominated diphenyl ethers (PBDE)

These values are based on information available from suppliers and not by actual laboratory analysis of finished product.

SECTION 16 – OTHER INFORMATION

Hazard Ranking:

0 = Least
1 = Slight
2 = Moderate
3 = High
4 = Extreme

HMIS Hazard Class:

Health = 1
Flammability = 1
Physical Hazard = 0
PPE = -

Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS – Chemicals Abstracts Service
DOT – Department of Transportation
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
IATA – International Air Transport Association
IMDG – International Maritime Dangerous Goods
IP346 – Institute of Petroleum test method No 346 for the determination of polycyclic aromatics DMSO-extractables
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Limit
RID – Regulations relating to international Carriage of Dangerous Goods by Rail
STOT – Specific Target Organ Toxicity
TLV – Threshold Limit Value

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