

# Safety Data Sheet

## Section 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Name**            **ICONOTECH DCP INK – 04T – Black**  
**Item Code**                **M2 – DCP -04T**  
**Manufacturer**            **ICONOTECH**  
**Address**                    **Two Heritage Park Road, Clinton, CT 06413, U. S. A.**  
**Telephone Number**        **860-669-0358**  
**Recommended use**        **Printing of non-coated corrugated cartons and kraft bags**  
**Restrictions of use**        **Only to be used for printing on absorptive substrates**

## Section 2 - HAZARDS IDENTIFICATION

### Hazard Classification

H. M. I. S.	Rating	HMIS Index
Health:	1	0    minimal
Flammability:	1	1    slight
Reactivity:	0	2    moderate
		3    serious
		4    severe

### National Fire Protection Rating:

Health:	1
Flammability:	1
Reactivity:	0

**Signal Word:**            **Warning**

### Hazard Statement:

**This product can cause mild eye and skin irritation. This product can burn but will not readily ignite.**

### Precautionary Statement:

**Do not store material in unmarked containers. Spills can cause slipping hazards.**

**Pictograms:**



**Potential Health Effects:**

- Eye:** May cause slight irritation.
- Skin:** May cause slight irritation.
- Inhalation:** Normally no problem with this material, however, vapor or mist in unusually high concentrations generated from heating this ink, or from exposure in very poorly ventilated areas, may cause irritation of the nose and throat.
- Ingestion:** May cause abdominal discomfort or nausea.

**Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

- Substance/Mixture:** Mixture
- Chemical Nature:** Water-in-Oil type emulsion

**Components:**

	<b>CAS No.</b>	<b>Wt %</b>
<b>Petroleum Distillate</b>	<b>64742 – 52 – 5</b>	<b>&lt; 20</b>
<b>Petroleum Solvent</b>	<b>64741 - 44 - 2</b>	<b>&lt; 10</b>
<b>Propylene Glycol</b>	<b>57 - 55 – 6</b>	<b>&lt; 6</b>
<b>Carbon Black (pigment)</b>	<b>1333 - 86 - 4</b>	<b>&lt; 5</b>
<b>Surfactants</b>	<b>1338 - 43 - 8</b> <b>68649 - 00 - 3</b>	<b>&lt;15</b>
<b>Water</b>	<b>7732 - 18 - 5</b>	<b>&gt; 45</b>

#### **Section 4 – FIRST AID MEASURES**

**Eye:** In case of contact with eyes, flush with water for 15 minutes and seek medical advice.

**Skin:** In case of contact with skin, immediately wash area with a mild soap using large quantities of water.

**Inhalation:** If feeling unwell, leave area and seek medical advice.

**Ingestion:** If swallowed, do not induce vomiting, seek medical advice.

#### **Section 5 – FIRE FIGHTING MEASURES**

**Flammability:** This material will burn, but will not readily ignite

**Explosion Properties:** Not applicable

**Extinguishing Media:** Use dry chemical, water fog, or carbon dioxide

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, smoke and unburned hydrocarbons

**Fire Fighting:** Wear self-contained NIOSH approved breathing apparatus when fire fighting in a confined space.

#### **Section 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Keep area ventilated. Wear latex gloves during clean up

**Method of Cleaning Up:** Absorb on inert material or wipe with dry cloth followed by damp mop. Wash affected surface with soap and water.

**Environmental Precautions:** Cover drains. Do not empty into drains. Dispose of in accordance with regulations for non-flammable oily residue

## Section 7 – HANDLING AND STORAGE

**Handling:** As with all chemical mixtures good hygiene practices should be followed when handling this material. Avoid contact with skin. Avoid eating or drinking when handling.

**Storage:** Store in original bottle.  
Store at 5 to 35 °C and keep out of direct sunlight.  
Keep out of reach of children.

## Section 8 – EXPOSURE CONTROLS /PERSONAL PROTECTION

### Exposure Guidelines:

	ACGIH TLV	OSHA PEL
Petroleum Distillate	5 mg/M <sup>3</sup> *1	5 mg/M <sup>3</sup> *1
Petroleum Solvent	5 mg/M <sup>3</sup> *1	5 mg/M <sup>3</sup> *1
Propylene Glycol	Not Listed	Not Listed
Carbon Black (pigment)	3.5 mg/M <sup>3</sup>	3.5 mg/M <sup>3</sup>
Surfactants	Not Listed	Not Listed
Water	Not Listed	Not Listed

\*1- as mineral oil mist

**Engineering Measures:** Good general ventilation should be sufficient for most conditions.

### Personal Protective Equipment

**Respiratory Protection:** Not normally required

**Hand Protection:** Latex Gloves, where prolonged or repeated contact is required. Very long, indefinite break through time

**Eye Protection:** Not normally required.

**Skin and body protection:** Not normally required.

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	<b>Black pourable semi-paste</b>
<b>Upper/ lower flammability limits:</b>	<b>Indeterminate</b>
<b>Odor:</b>	<b>Slight petroleum odor</b>
<b>Vapor pressure: (mmHg at 20<sup>0</sup> C)</b>	<b>Insignificant</b>
<b>Odor threshold:</b>	<b>Insignificant</b>
<b>Vapor density (air = 1)</b>	<b>&gt; 1.0</b>
<b>pH:</b>	<b>Not applicable</b>
<b>Relative density:</b>	<b>1.08</b>
<b>Melting point / Freezing point</b>	<b>&lt; 0<sup>0</sup> C</b>
<b>Solubility:</b>	<b>Negligible. Disperses.</b>
<b>Initial boiling point &amp; boiling range:</b>	<b>&gt;100<sup>0</sup> C</b>
<b>Flash point:</b>	<b>&gt; 135<sup>0</sup>C TOC ASTM 92</b>
<b>Evaporation rate:</b>	<b>Not applicable</b>
<b>Flammability</b>	<b>Very low, slight, improbable</b>
<b>Partition coefficient: n-octanol/water</b>	<b>Indeterminate</b>
<b>Auto-ignition temperature:</b>	
<b>Decomposition temperature:</b>	<b>Not applicable</b>
<b>Viscosity:</b>	<b>Thixotropic, varies by temperature and shear</b>
<b>Oxidizing Properties:</b>	<b>Not applicable</b>
<b>Specific Gravity:</b>	<b>1.08</b>

## **Section 10 – STABILITY AND REACTIVITY**

<b>Reactivity:</b>	<b>Insignificant, stable</b>
<b>Stability:</b>	<b>Product is stable under normal storage and handling conditions.</b>
<b>Materials to avoid:</b>	<b>Strong oxidizing agents.</b>
<b>Hazardous polymerization:</b>	<b>Will not occur.</b>
<b>Hazardous decomposition products:</b>	<b>None</b>

## **Section 11 –TOXICOLOGICAL INFORMATION**

<b>Acute Oral Toxicity:</b>	<b>LD50 &gt; 2500mg/kg (rat)*</b>
<b>Acute Eye Irritation:</b>	<b>May cause slight irritation*</b>
<b>Acute Skin Irritation</b>	<b>May cause slight irritation*</b>
<b>Mutagenicity:</b>	<b>Not known to be mutagenic.</b>
<b>Reproductive Toxicity:</b>	<b>Not know to have any reproductive toxicity.</b>
<b>Carcinogenicity:</b>	<b>Carbon black is listed as a Class 2B (possible human carcinogen) by IARC. (However, IARC Monograph 65 also indicates “exposures to carbon black in the use of printing ink, rubber or paint are negligible”) None of the other ingredients in this product are listed or classified by IARC, NTP, MAK, OSHA, EU, or ACGIH as a carcinogen.</b>

**\* This information is based on toxicity data for similar materials and ingredients.**

## **Section 12 –ECOLOGICAL INFORMATION**

**No specific testing for ecological effects or an environmental fate analysis has been conducted on this product. However, as with any product containing petroleum distillates, contamination of soil or water should be avoided. This product will normally float on water.**

**Section 13- DISPOSAL CONSIDERATIONS**

**Product as supplied does not meet the characteristics of a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA, 40 CFR261). Waste must be disposed of in accordance with Federal, State/ Provincial and local environmental control regulations.  
Ink bottle material is plastic (HDPE).**

**Section 14- TRANSPORT INFORMAITON**

<b>U. S. DOT:</b>	<b>Not regulated</b>
<b>UN Number</b>	<b>Not applicable</b>
<b>RID/ADR/ADNR:</b>	<b>Not restricted</b>
<b>IMDG Code:</b>	<b>Not restricted</b>
<b>RDG:</b>	<b>Not restricted</b>
<b>ICAO/IATA:</b>	<b>Not restricted</b>

**Section 15 –REGULATORY INFORMATION**

**Inventories: All components of this product are listed on or are exempt from the following inventories: TSCA (U. S. A.), AICS (Australia), DSL (Canada), PICCS (Philippines), EINECS/ELINCS (European Union), HSNO (New Zealand).**

**OSHA:** This product is not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910, 1200.

**RCRA (40 CFR 261):** Product as supplied is not a hazardous waste.

**PROP 65:** Contains no materials currently listed by the State of California under Proposition 65.

**CERCLA:** Does not contain any reportable (RQ) substance.

**CONEG:** Meets the CONEG limits for the sum of the levels of Lead, Cadmium, Mercury, and Hexavalent Chromium of less than 100 ppm by weight.

**ODC:** Does not contain any ozone depleting compounds.

**TOX:** Does not contain any organic halogens (EPA 9020)

<b>RoHS:</b>	<b>Compliant with the RoHS directive for Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs).</b>
<b>CWA (40 CFR 116):</b>	<b>Product is not on a Clean Water Act list.</b>
<b>SARA (302):</b>	<b>Contains no components listed as an extremely hazardous substance.</b>
<b>SARA (311/312):</b>	<b>Does not require reporting under 311 and 312.</b>
<b>SARA (313):</b>	<b>Does not contain any components on the list of toxic chemicals.</b>
<b>NTP:</b>	<b>Does not contain any components classed carcinogenicity by the National Toxicology Program.</b>
<b>ACGIH:</b>	<b>Does not contain any components classed carcinogenicity by the American Conference of Governmental Industrial Hygienists.</b>
<b>WHMIS:</b>	<b>Not a controlled product under the Workplace Hazardous Information System (Canada).</b>

#### **Section 16 – OTHER INFORMATION**

**The information contained herein is based upon data available to us and reflects our best professional judgment. However, no warranty of merchantability, fitness for any use, or other warranty is expressed or implied regarding the accuracy of such data or the results to be obtained from the use thereof. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.**

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