

Material Safety Data Sheet

Section 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name ICONOTECH DCP INK – 04T – Black
Item Code M2-DCP-04T
Manufacturer ICONOTECH
Address 460 Woodland Avenue, Bloomfield, CT 06002, U. S. A.
Telephone Number 800-521-0194

Section 2 – HAZARDS IDENTIFICATION

Emergency Overview:

This product can cause mild eye and skin irritation. This product can burn, but will not readily ignite. Do not store material in unmarked containers. Spills can cause slipping hazards.

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:

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

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 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: 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.

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

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

Exposure Guidelines:

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

*1 - as mineral oil mist

Personal Protective Equipment

Respiratory Protection: Not normally required

Hand Protection: Gloves, where prolonged or repeated contact is required.

Eye Protection: Not normally required.

Skin and body protection: Not normally required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Black pourable semi-paste

Odor: Slight petroleum odor

pH: Not applicable

Boiling Point: >100° C

Melting Point: <0° C

Oxidizing Properties: Not applicable

Vapor Pressure (mmHg at 20° C): Insignificant

Vapor Density (air = 1): >1.0

Specific Gravity: 1.08

Solubility in Water: Negligible. Disperses.

Flash Point: >135°C TOC ASTM 92

Section 10 – STABILITY AND REACTIVITY

Stability: Product is stable under normal storage and handling conditions.

Materials to avoid: Strong oxidizing agents.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None

Section 11 – TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50 >2500mg/kg (rat)*

Acute Eye Irritation: May cause slight irritation*

Acute Skin Irritation: May cause slight irritation*

Mutagenicity: Not known to be mutagenic

Reproductive Toxicity: Not known to have any reproductive toxicity

Carcinogenicity: 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.

* 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 INFORMATION

U. S. DOT: Not regulated

UN Number: Not applicable

RID/ADR/ADNR: Not restricted

IMDG Code: Not restricted

RDG: Not restricted

ICAO/IATA: Not restricted

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)

RoHS: Compliant with the RoHS directive for Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs).

CWA (40 CFR 116): Product is not on a Clean Water Act list.

SARA (302): Contains no components listed as an extremely hazardous substance.

SARA (311/312): Does not require reporting under 311 and 312.

SARA (313): Does not contain any components on the list of toxic chemicals.

NTP: Does not contain any components classed carcinogenicity by the National Toxicology Program.

ACGIH: Does not contain any components classed carcinogenicity by the American Conference of Governmental Industrial Hygienists.

WHMIS: Not a controlled product under the Workplace Hazardous Information System (Canada).

Section 16 – OTHER INFORMATION

	<u>H. M. I. S.</u>	<u>Rating</u>		<u>HMIS Index</u>	
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

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