



AN IKONICS COMPANY

PROTOTYPING INK
Material Safety Data Sheet
Issued: 03/19/2009
Supercedes: none

Section I - Chemical Product and Company Identification

Manufacturers name IKONICS Corporation
Address 4832 Grand Avenue, Duluth, MN 55807
Telephone number 218 628-2217 Customer Service
Emergency phone number 800 424-9300 Chemtrec USA / 703/527-3887 International (collect)
Product name DTX Ink
Use Inkjet printing ink

Section II – Hazardous Ingredients

| Ingredients | Percent | CAS# | OSHA PEL | ACGIH TLV | VAPOR PSI |
|-------------------|--------------|--------------|-----------------|-----------------|-----------------|
| Acrylate Monomers | Trade secret | Trade secret | Not established | Not established | Not established |
| Photoinitiators | Trade secret | Trade secret | Not established | Not established | Not established |

Section III – Physical Data

Appearance Blue Liquid
Boiling point Not available
Density 0.97g/cm3
Percent volatile (by wt) Not Applicable
Solubility in water Not soluble
Evaporation rate Slower than water
Vapor density Not Established
VOC None

Section IV – Fire and Explosion Data

Flash point 110°C
Extinguishing media Dry chemical, CO₂, water spray, or foam.
Unusual fire & explosion hazards Polymerization hazard. Unstable (reactive) if inhibitor is depleted.
Special fire fighting procedures Fire fighters should wear self-contained breathing apparatus.

Section V – Health Hazard Data

HMIS Codes 2-1-2-D Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4
Effects of overexposure
Eye contact Overexposure may cause irritation, burns and redness to eyes.
Skin contact Overexposure may cause irritation, burns and redness to skin. Repeated or prolonged contact may cause burning, drying and cracking of skin.
Inhalation Overexposure of high concentrations of vapors or mists may cause irritation to nose and throat, loss of coordination, fatigue, drowsiness, and/or dizziness.
Ingestion Overexposure may cause irritation and burns.
First aid emergency procedures
Eye Flush with plenty of water for at least 15 minutes and seek medical attention.
Skin Wash with soap and water, should irritation occur, seek medical attention.
Inhalation Remove to fresh air and give artificial respiration if not breathing. Call a physician.
Ingestion Induce vomiting and seek medical attention.

Section VI – Reactivity Data

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| Stability | Stable. |
| Conditions to avoid | Do not handle near heat, sparks, or open flames. |
| Incompatibility (materials to avoid) | Strong oxidizing agents or reducing agents. |
| Hazardous decomposition products | Carbon monoxide |
| Hazardous polymerization | May occur. |

Section VII – Spill or Leak Procedures

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| Spill cleanup instructions | Remove all sources of ignition. Contain spill and take up with absorbent material. Dispose in appropriate manner. Use proper PPE when cleaning up a spill. |
| Waste disposal method | Dispose of in accordance with federal, state, and local laws. |

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state, or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Section VIII – Control Measures / Personal Protection

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| Engineering controls | Ventilation – Local exhaust recommended but not required. |
| <i>Personal Protection Equipment (PPE)</i> | |
| Gloves | Rubber or neoprene gloves are required. |
| Eye | Personal eye protection is required. |
| Respiratory | Wear O.S.H.A. (29CFR 1910.134) protection as necessary. Do not breathe vapors or mists. |
| Where contact may occur | Use a face shield, impervious body coverings, and boots (if exposure is severe). |
| Safety shower and eyewash | Should be available. |

Section IX – Handling and Storage

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| Handling and storage information | Do not store near heat, sparks or open flames. Keep container closed when not in use. |
| Other precautions | Industrial use only. Keep out of reach of children. Do not take internally. Avoid splashing in eyes. |

Section X – Regulation Information

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| DOT classification | Not a DOT controlled material (United States). Combustible liquid-ground and air transportation. |
| TSCA | All ingredients are listed chemicals in the TSCA registry. |
| CALIFORNIA PROPOSITION 65 | California Proposition 65 Information: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity. |

Approved by: Director of Chemical Research Troy Bergstedt 218 628-2217 ext.142

Notice to reader

(Approved by U.S. Department of Labor “Essentially Similar” to form OSHA-20)

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