

**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**

<u>Ingredients</u>	<u>Percent</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>VAPOR PSI</u>
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                    Boiling point 120°C (@ 1mm  
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, CO<sub>2</sub>, 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**

Stability	Hazardous polymerization may occur upon depletion of inhibitor.
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**

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**

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**

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**

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)

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under direct supervision, no representation is made that the information is accurate, reliable, complete, or representative and Buyer may rely thereon only at the Buyer’s risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and / or situations involving its handling and uses. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.