



**IXE Film**  
Material Safety Data Sheet  
Issued: 8/4/11  
Supercedes: NA

**Section I - Chemical Product and Company Identification**

Manufacturers name            IKONICS Corporation  
Address                            4832 Grand Avenue, Duluth, MN 55807  
Telephone number                218-628-2002 Customer Service  
Emergency phone number        800-424-9300 Chemtrec USA / 703-527-3887 International (collect)  
Product name                    IXE Film  
Use                                 Photo Resist Film

**Section II – Hazardous Ingredients**

Ingredients	Percent	CAS#	OSHA PEL	ACGIH TLV	VAPOR PSI
There are no hazardous ingredients by reference to the O.S.H.A. Hazardous Communications Standard (29 CFR 1910.1200)	Not Applicable	-----	-----	-----	-----

**Section III – Physical Data**

Appearance                      Red Film  
Boiling point                      Not Applicable  
Weight (per gallon)                Not Applicable  
Percent volatile (by wt)            Not Applicable  
Solubility in water                100% (Red Film)  
Evaporation rate                  Not Applicable  
Vapor density                      Not Applicable  
VOC                                 Not Applicable

**Section IV – Fire and Explosion Data**

Flash point                        Not Applicable  
Extinguishing media                Foam, CO<sub>2</sub>, dry chemical, or water.  
Unusual fire & explosion hazards    None  
Special fire fighting procedures    None

**Section V – Health Hazard Data**

HMIS Codes                        0-1-0-B Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4

*Effects of overexposure*

Eye contact                        Prolonged contact may be irritating.  
Skin contact                        Prolonged contact may be irritating.  
Inhalation                         Not applicable.  
Ingestion                         Ingestion may be harmful.

*First aid emergency procedures*

Eye                                 Flush with plenty of water. If irritation persists, seek medical attention.  
Skin                                 Wash with soap and water, should irritation occur, seek medical attention.  
Inhalation                         Not applicable.  
Ingestion                         If appreciable quantities are swallowed, seek medical attention. Do not induce vomiting.

**Section VI – Reactivity Data**

Stability	Unstable___ Stable <u>X</u>
Conditions to avoid	None known.
Incompatibility (materials to avoid)	None known.
Hazardous decomposition products	May produce hazardous fumes when heated to decomposition. Fumes may contain CO <sub>2</sub> , and CO.
Hazardous polymerization	May occur __ Will not occur <u>X</u>

**Section VII – Spill or Leak Procedures**

Spill cleanup instructions	None.
Waste disposal method	Dispose of as solid waste and/or 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.
<i>Personal Protection Equipment (PPE)</i>	
Gloves	Recommended.
Eye	Recommended.
Respiratory	Not required.
Where contact may occur	Use recommended PPE.
Safety shower and eyewash	Should be available.

**Section IX – Handling and Storage**

Handling and storage information	None.
Other precautions	Industrial use only. Keep out of reach of children. Do not take internally.

**Section X – Regulation Information**

DOT classification	Not a DOT controlled material (United States).
TSCA	All ingredients are listed chemicals in the TSCA registry.
California (Prop 65)	This product does not contain chemical(s) known to the State of California to cause cancer (c) or reproductive (r) damage.

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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