



ImagePro Red Film
 Material Safety Data Sheet
 Issued: 2/17/04
 Supercedes: 10/15/03

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	ImagePro Red Film
Use	Photo Resist Film

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>
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%
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 ₂ , 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 ₂ 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 contains chemical(s) known to the State of California to cause cancer (c) or reproductive (r) damage. <0.00003 % Arsenic Listed February 27, 1987 <0.00007 % Cadmium Listed October 1, 1987 <0.00025 % Chromium Listed February 27, 1987 <0.00003 % Lead Listed February 27, 1987 <0.000003 % Mercury Listed July 1, 1990

Approved by: VP Technology, Toshi Komatsu 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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