



R3/R4/R5 Film
Material Safety Data Sheet
Issued: 8/10/11
Supersedes: 8/25/06, 4/17/08

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 R3 Film, R4 Film, R5 Film
Use Sandblast 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 Blue Film
Boiling point Not Applicable
Weight (per gallon) Not Applicable
Percent volatile (by wt) Not Applicable
Solubility in water Not Applicable
Evaporation rate Not Applicable
Vapor density Not Applicable
VOC Not Applicable

Section IV – Fire and Explosion Data

Flash point Not Applicable
Extinguishing media Foam, CO₂, dry chemical, or water spray.
Unusual fire & explosion hazards Under high heat, decomposition may present a hazard.
Special fire fighting procedures For full protection, fire fighters are recommended to wear NIOSH-MSHA approved self-contained breathing apparatus and chemical resistant clothing.

Section V – Health Hazard Data

HMIS Codes 1-1-0-B Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4
Effects of overexposure
Eye contact No specific information available. May cause eye injury.
Skin contact No specific information available. May cause skin injury (reddening and swelling) and /or allergic reaction. Prolonged contact may cause blister formations (burns).

Inhalation No specific information available.
Ingestion No specific information available.
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 Remove to fresh air.
Ingestion If appreciable quantities are swallowed, seek medical attention. Do not induce vomiting.

Section VI – Reactivity Data

Stability Unstable___ Stable X
Conditions to avoid Strong light and high heat.
Incompatibility (materials to avoid) None known.
Hazardous decomposition products May produce hazardous fumes when heated to decomposition. Fumes may contain CO₂ and CO.
Hazardous polymerization May occur ___ Will not occur X

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 but not required.

Personal Protection Equipment (PPE)

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 Ikonics Imaging recommends that film be stored in a cool, dry area. For maximum shelf life, store film between 65°F and 75°F (20°C- 25°C). Film degrades quickly when stored above 110°F. Store film in sealed tube when not in use.
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 chemicals known to the State of California to cause cancer (c) or reproductive (r) damage.

	CAS #	Listed
< 0.00001 % Cadmium (c) (r)	N/A	N/A
< 0.000005 % Chromium (c) (r)	N/A	N/A
< 0.00003 % Lead (r)	N/A	N/A
< 0.00002 % Mercury (c) (r)	N/A	N/A

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.