

**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           | R5 Film  |
| Use                    | Sandblast 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               | 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, CO <sub>2</sub> , 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   |
| <i>Effects of overexposure</i>        |  |
| 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.   |
| <i>First aid emergency procedures</i> |  |
| 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 CO<sub>2</sub> 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: VP Technology, 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.