



IMAGE MATE SP 491
Material Safety Data Sheet
Issued: 3/21/07
Supercedes: New

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 SP 491
Use Adhesive

Section II – Hazardous Ingredients

<u>Ingredients</u>	<u>Percent</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Vinyl Acetate	.25 %	108-05-4	Not established	10.00 PPM	15.00 PPM

Section III – Physical Data

Appearance White liquid
Boiling point 210°F - 212°F
Weight (per gallon) 8.80 lb./gal.
pH value 4.5
Solubility in water Dispersible
Evaporation rate Slower than n-Butyl Acetate
Percent volatile (by wt) 50%
Specific gravity 1.06
VOC < 0.60%

Section IV – Fire and Explosion Data

Flash point Greater than 200°F
Extinguishing media Dry chemical, CO₂, water spray, or foam.
Unusual fire & explosion hazards Various oxides of carbon and organic compounds may be released during combustion.
Special fire fighting procedures Firefighters should wear self-contained breathing apparatus.

Section V – Health Hazard Data

HMIS Codes 1-1-0 Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4
Effects of overexposure
Eye contact May cause moderate eye irritation.
Skin contact Prolonged or repeated skin contact can cause irritation.
Inhalation Vapors at elevated temperatures may be irritating to respiratory tract.
Ingestion No hazard is expected in normal industrial use.
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 Move to fresh air, if discomfort persists seek medical attention.
Ingestion Call poison control center immediately. Do not induce vomiting.
Carcinogenicity
IARC: Yes, 2B (vinyl acetate)
The International Agency for Research on Cancer has determined vinyl acetate to be carcinogenic in experimental animals.
Available epidemiologic studies do not confirm an increase risk of cancer in exposed humans.

Section VI – Reactivity Data

Stability	Unstable___ Stable <u>X</u>
Conditions to avoid	None known
Incompatibility (materials to avoid)	Strong acids and bases.
Hazardous decomposition products	Oxides of carbon may be released during combustion.
Hazardous polymerization	May occur __ Will not occur <u>X</u>

Section VII – Spill or Leak Procedures

Spill cleanup instructions	Contain spills with absorbent material and dispose of saturated material. Use proper PPE when cleaning up a spill.
Waste disposal method	Dispose 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. Provide adequate ventilation as necessary.
<i>Personal Protection Equipment (PPE)</i>	
Gloves	Rubber or neoprene gloves are recommended.
Eye	Personal eye protection is recommended. Chemical splash goggles (ANSIZ87.1)
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	Store at temperatures between 50F and 90F. 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).
TSCA	All ingredients are listed chemicals in the TSCA registry.
SARA Title III	This product does contain chemicals subject to the reporting of requirements of SARA Title III, Section 313, and 40 CFR Part 372.
	Vinyl acetate 108-05-4 0.25%

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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