



Photobrasive Application Adhesive
Material Safety Data Sheet
Issued: 7/30/04
Supercedes: 7/2/01

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 Photobrasive Application Adhesive
Use Application Adhesive

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> |
|--------------------|----------------|-------------|-----------------|-----------------------|------------------|
| Isopropanol | 6% | 67-63-0 | 400 ppm | 980 mg/M ³ | 32 mm/Hg, 20°C |

Section III – Physical Data

Appearance White liquid
Boiling point 200°F -215°F
Weight (per gallon) 8.40 lb/gal.
Percent volatile (by wt) 84%
Solubility in water 100% water redispersible
Evaporation rate Not Established
Vapor density Not Established
VOC 60.46 g/l

Section IV – Fire and Explosion Data

Flash point 100°F
Extinguishing media Foam, CO₂, dry chemical, or water spray.
Unusual fire & explosion hazards None known
Special fire fighting procedures None known

Section V – Health Hazard Data

HMIS Codes 1-0-0-G & O Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4

Effects of overexposure

Eye contact Moderate to severe irritation.
Skin contact Can cause drying of skin leading to irritation and dermatitis.
Inhalation No specific information available.
Ingestion May cause irritation of gastrointestinal tract, vomiting, diarrhea, and drowsiness.

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 Remove to fresh air.
Ingestion Do not induce vomiting. Seek medical attention.

Section VI – Reactivity Data

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|--------------------------------------|---------------------------------------|
| Stability | Unstable___ Stable <u>X</u> |
| Conditions to avoid | None known. |
| Incompatibility (materials to avoid) | None known. |
| Hazardous decomposition products | Carbon dioxide and carbon monoxide. |
| Hazardous polymerization | May occur ___ Will not occur <u>X</u> |

Section VII – Spill or Leak Procedures

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| Spill cleanup instructions | Dike if necessary. Stop leaks, clean up spills immediately. Soak up with inert absorbent material and place in labeled waste container for disposal. Provide adequate ventilation into spill area. Wear adequate personal protective clothing |
| Waste disposal method | Dispose of 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

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| Engineering controls | Ventilation – Local exhaust recommended but not required. |
| <i>Personal Protection Equipment (PPE)</i> | |
| Gloves | Rubber or plastic gloves. |
| Eye | Chemical splash goggles or face shield. |
| Respiratory | Wear O.S.H.A. (29CFR 1910.134) protection as necessary. Do not breathe vapors or mists. |
| Where contact may occur | Use the proper PPE. |
| Safety shower and eyewash | Should be available. |

Section IX – Handling and Storage

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|----------------------------------|---|
| Handling and storage information | None known. |
| Other precautions | Industrial use only. Keep out of reach of children. Do not take internally. Avoid splashing in eyes. |

Section X – Regulation Information

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| DOT classification | Not a DOT controlled material (United States). Does not sustain combustion according to ASTM 4206 or Appendix H procedures in 49 CFR 173.120 (a) (3). |
| 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. <0.0004% Toluene (r) 108-88-3 Listed January 1, 1991 |

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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