



**Brush-On Blastable Adhesive**  
 Material Safety Data Sheet  
 Issued: 8/18/04  
 Supercedes: 10/1/02

**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 Brush-On Blastable Adhesive  
 Use Blastable Adhesive

**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 White liquid  
 Boiling point Not Applicable  
 Weight (per gallon) 8.40 lb/gal.  
 Percent volatile (by wt) 78%  
 Solubility in water 100% water redispersible  
 Evaporation rate Not Established  
 Vapor density Not Established  
 VOC Not Applicable

**Section IV – Fire and Explosion Data**

Flash point >220°F  
 Extinguishing media Foam, CO2, dry chemical, or water spray.  
 Unusual fire & explosion hazards None.  
 Special fire fighting procedures None.

**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 Exposure to vapors in poorly ventilated areas may cause irritation.  
 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 Drink water, 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	Not established.
Hazardous polymerization	May occur ___ Will not occur <u>X</u>

**Section VII – Spill or Leak Procedures**

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. Use proper PPE when cleaning up a spill.
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**

Engineering controls	Ventilation – Local exhaust recommended. Provide adequate ventilation as necessary.
<i>Personal Protection Equipment (PPE)</i>	
Gloves	Rubber, neoprene, or plastic gloves are required.
Eye	Personal eye protection is required. 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 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	This product contains limited amounts of residual monomer. Under normal handling and use conditions the residual monomer should not present a hazard. In storage the monomer will migrate from the emulsion and establish equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion.
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.
California (Prop 65)	This product contains chemical(s) known to the State of California to cause cancer (c) or reproductive (r) damage. <.00001% Acetaldehyde (c) 75-07-0 Listed April 1, 1988 <.00001% 1, 4-Dioxane (c) 123-91-1 Listed July 1, 1988 <.00001% Ethylene Oxide (c) (r) 75-21-8 Listed July 1, 1987

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)

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.