



IMAGE MATE DZ 343/Z-1
Material Safety Data Sheet
Issued: 6/24/08
Supercedes: 3/21/07

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 Chemtec USA / 703/527-3887 International (collect)
Product name DZ 343 and DZ 343 Z-1
Use Screen Graphics

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 Liquid / Violet or Red water based emulsion
Boiling point 210°F - 212°F
Weight (per gallon) 8.91 lb/gal.
pH value 4.5
Solubility in water Dispersible in water
Evaporation rate Slower than n-Butyl Acetate
Percent volatile (by wt) 52%
Specific gravity 1.08
VOC Not Applicable

Section IV – Fire and Explosion Data

Flash point Greater than 200°F
Extinguishing media Dry chemical, water spray, or foam.
Unusual fire & explosion hazards Various oxides of carbon, 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 Remove to fresh air.
Ingestion If appreciable quantities are swallowed, do not induce vomiting. Seek medical attention.

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.
Waste disposal method	Place leaking container in a well ventilated area. Dilute the spill with water and absorb the spill with inert material and dispose in accordance with federal, state, and local laws. Use proper PPE when cleaning up a spill.

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. Splash goggles (ANSI Z87.1)
Respiratory	Not required.
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 50°F and 90°F.
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. <0.002% Nitrolotriactic acid (c) 139-13-9 Listed January 1, 1988.

Approved by: Troy Bergstedt, Director of Chemical Research, 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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