

KIWO
PRODUCT NAME
KIWOFILM DS

MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer's Name Kiwo, Inc. Address (Number, Street.) 1929 Marvin Circle. (City, State, ZIP Code) Seabrook, TX 77586	Emergency Telephone Number 281-474-9777 Telephone Number for Information 281-474-9777 Date Prepared August 20, 2003
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SECTION II - Ingredients/Identity Information

(Specific Chemical Identity; Common Name(s))

Ingredients (EMULSION LAYER)	C.A.S. #	OSHA PEL	ACGIH TLV	Approx. Conc.	Hazard Type
POLYVINYL ALCOHOL	9002-89-5	NOT SET	NOT SET	<10%	NON HAZARDOUS
POLYVINYL ACETATE	9003-20-7	NOT SET	NOT SET	<30%	NON HAZARDOUS
BENZENEDIAZOINIUM,4(PHENYLAMINO)	41432-19-3	15mg/m³	15mg/m³	<1%	PNOC (ACGIH)
SULFATE 1:1POLYMER WITH					
FORMALDEHYDE					
TSRN 80100215-5000P	TRADE SECRET	NOT SET	NOT SET		NON HAZARDOUS

THIS PRODUCT DOES NOT CONTAIN SARA TITLE III, SECTION 313 REPORTABLE MATERIAL

KIWO PRODUCTS ARE NOT MANUFACTURED WITH, NOR DO THEY CONTAIN CLASS-I OR CLASS-II OZONE DEPLETING CHEMICALS.

SECTION III - Physical/Chemical Characteristics

Boiling Point N.A.	Specific Gravity (H ₂ O=1) N.A.
Vapor Pressure (mm Hg.) N.A.	Melting Point ~500°F
Vapor Density (AIR=1) N.A.	Evaporation Rate (H ₂ O=1) N.A.
Solubility in Water UNEXPOSED EMULSION DISPERSES COMPLETELY IN WATER	
Appearance and Odor GREEN EMULSION ON CLEAR POLYESTER FILM	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) N.A.	Flammable Limits N.A.	LEL N.A.	UEL N.A.
Extinguishing Media WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL OR HALOGENATED AGENTS			
Special Fire Fighting Procedures WEAR SELF CONTAINED BREATHING APPARATUS.			
Unusual Fire and Explosion Hazards IF EXPOSED TO A FLAME, FILM WILL IGNITE AND CONTINUE TO BURN EVEN IF IGNITION SOURCE IS REMOVED.			

SECTION V - Reactivity Data

Stability	Unstable	Stable		
		X		
Conditions to Avoid AVOID EXPOSURE TO SUN LIGHT AND UV RADIATION.				
Incompatibility (Material to Avoid) NONE KNOWN				
Hazardous Decomposition or Byproducts NONE KNOWN				
Hazardous Polymerization	May Occur	Will Not Occur		
		X		
Conditions to Avoid NONE KNOWN				
HMS	Health [1]	Flammability [0]	Reactivity [0]	Personal Protection [A]

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SECTION VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	NO	NO	NO
Health Hazards (Acute and Chronic)			

NONE KNOWN

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure
NONE KNOWN

Medical Condition Generally Aggravated by Exposure
NONE KNOWN

Emergency and First Aid Procedures
NO KNOWN REQUIREMENTS

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled
NO KNOWN SPECIAL REQUIREMENTS

Waste Disposal Method
NO KNOWN SPECIAL REQUIREMENTS

Precautions to be Taken in Handling and Storing
STORE AWAY FROM SUN LIGHT AND EXCESSIVE HEAT

Other Precautions
NONE KNOWN

SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*)
NONE REQUIRED

<u>Ventilation</u>			
Local Exhaust	Mechanical (<i>General</i>)	Special	Other
			NOT REQUIRED
Protective Gloves		Eye Protection	
NONE REQUIRED		NOT REQUIRED	

Other Protective Clothing or Equipment
NONE KNOWN

Work / Hygienic Practices
NONE KNOWN