

43331-1024

Z * A C R Y L

ETCHING SYSTEMS

MATERIAL SAFETY DATA

SECTION I--PRODUCT IDENTIFICATION

Product Name: Z*ACRYL HARDGROUND EMULSION	Product Code: HGE 02401
Chemical or Common Name: NA	Date Issued: 10/15/99
	Prepared By: Duke Univ. Medical Center

SECTION II--HAZARD RATING

4=VERY HIGH 3=HIGH 2=MODERATE 1=VERY SLIGHT 0=INSIGNIFICANT

HMIS	
HEALTH	=0
FLAMMABILITY	=0
REACTIVITY	=0

SECTION III--INGREDIENT INFORMATION

Ingredients:	Weight by %	Exposure Limit:
Styrene Acrylic Polymers (CAS# NA--Non Hazardous)	18 - 27 %	NONE
Ammonium Hydroxide	3 - 7	50 ppm, OSHA
Tributoxyethyl Phosphate	<1 - 1.5	NONE
Natural Pigments	1	NONE
Water	Balance	NONE

SECTION III--INGREDIENT INFORMATION

Appearance/Odor: Blue translucent liquid with monomeric odor.	Specific Gravity (w/ H ₂ O=1.0): 1.034
Vapor Pressure (mm Hg): Same as Water	Vapor Density: Same As Water
Solubility in Water: Dispersible, (Near Complete)	Boiling Point: Approx. 212°F
Freezing Point: Approx. 32°F	Evaporation Rate: NO DATA
pH: 8.2-8.6	Theoretical VOC: Not Applicable
VOC: Not Applicable	% Volatility By Volume: NA

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Material Safety Data Sheet--Z*ACRYL HARDGROUND EMULSION. cont.

SECTION V--FIRE AND EXPLOSION INFORMATION

Flash Point (F):	NOT APPLICABLE
Flammable Limits:	NOT APPLICABLE
Extinguishing Media:	FOAM; DRY CHEM.; CO₂; WATER FOG.
Special Firefighting Procedures:	NORMAL PROCEDURES MAY BE USED.
Unusual Fore/Explosion Hazards:	CONTAINER MAY MELT & LEAK IN FIRE.

SECTION VI--HEALTH AND HAZARD DATA

Primary Route of Entry:	EYE AND SKIN CONTACT.
Signs and Symptoms:	DIRECT CONTACT WITH EYES CAN CAUSE IRRITATION. CONTACT WITH SKIN WILL LEAVE EVIDENCE OF BLUE PIGMENT. UNLIKELY TO CAUSE SKIN IRRITATION.
Extinguishing Media:	REMOVE PRODUCT FROM SKIN WITH SOAP AND WATER. FLUSH EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL AID.
Medical Conditions Recognized as Aggravated by Exposure:	NONE KNOWN.

SECTION VII--REACTIVITY DATA

Stability:	STABLE
Stability Conditions to Avoid:	NONE KNOWN.
Incompatibility:	NONE KNOWN.
Hazardous Decomposition Products:	WHEN EXPOSED TO FIRE, PRODUCES NORMAL PRODUCTS OF COMBUSTION.
Hazardous Polymerization:	WILL NOT OCCUR.
Hazardous Polymerization Conditions to Avoid:	NOT APPLICABLE.

SECTION VIII--SPILL OR LEAK PROCEDURES

Steps to be taken in the event of spill:	RINSE EFFECTED AREA THOROUGHLY WITH A WEAK AMMONIA:WATER SOLUTION.
Waste Disposal Information:	NO SPECIAL METHOD REQUIRED. OBSERVE ALL APPLICABLE FED/STATE REGULATIONS & LOCAL ORDINANCES REGARDING DISPOSAL OF NON-HAZARDOUS MATERIAL

Material Safety Data Sheet--Z*ACRYL HARDGROUND EMULSION. cont.

SECTION IX--SPECIAL PROTECTION INFORMATION

Respiratory Protection:	NO SPECIAL REQUIREMENTS UNDER NORMAL USE.
Ventilation:	GENERAL ROOM VENTILATION IS ADEQUATE.
Protective Gloves:	RECOMMENDED DURING PROLONGED OR REPEATED CONTACT. ANY IMPERVIOUS MATERIAL.
Eye Protection:	NO SPECIAL REQUIREMENTS UNDER NORMAL USE.
Unusual Fire/Explosion Hazards:	USE GOOD PERSONAL HYGIENE PRACTICES. WHERE GROSS EYE/SKIN CONTACT MAY BE POSSIBLE, WEAR OR USE APPROPRIATE PROTECTIVE EQUIPMENT.

SECTION X--SPECIAL PRECAUTIONS

Precautionary instructions:	(Recommended) CAUTION: AVOID CONTACT WITH EYES. IF SUCH CONTACT OCCURS, FLUSH EYES WITH WATER.
Handling and Storage Conditions:	WASH (w/SOAP AND WATER) AFTER HANDLING KEEP OUT OF REACH OF CHILDREN.

SECTION XI--TRANSPORTATION INFORMATION

DOT Class:	NOT REGULATED.
DOT #	NOT APPLICABLE.
Shipping Name:	ACRYLIC RESIST COMPOUNDS, LIQUID.
DOT Notes:	NONE.

SECTION XII--TRANSPORTATION INFORMATION

THERE ARE NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS UNDER CALIFORNIA'S PROPOSITION 65.
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LEGEND:

NA = Not Applicable.

NE = Not Established.

NSR = No Special Requirements.

ND = Not Determined For This Product.

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