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MAY-22-2006 11:01 AM Rostow&Jung

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P. 11

MATERIAL SAFETY DATA SHEET
AKUA-KOLOR WATER-BASED INKS
DATE PREPARED
February 15, 2000, date revised

**SECTION 1
CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME
AKUA Modifiers TACK THICKENER, BLENDING MEDIUM, RETARDER,
EXTENDER

PRODUCT CODE

N/A

CHEMICAL FAMILY

N/A

CHEMICAL NAME

N/A

FORMUAL

N/A

MANUFACTURE

ROSTOW & JUNG WATER-BASED PRINTSHOP & INKS, INC.
219 EAST 4TH STREET, NY, NY 10009 USA

CONTACT PERSON:

SUSAN ROSTOW

INFORMATION TEL:

212-473-4670

EMERGENCY TEL:

212-473-4670

CHEMTREC TEL:

N/A

**SECTION 2
COMPOSITION, INFORMATION OR INGREDIENTS**

INGREDIENT LISTING
PROPRIETARY INGRED MIXTURE

CAS NO

N/L

OSHA

PEL

ACGIH TLV

N/L

STEL

N/L

COMP

N/L 100 00

The proprietary ingredients in this product are judged to be non-hazardous and are regarded as trade secrets.

**SECTION 3
HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW:

NON-HAZARDOUS MATERIAL

PHYSICAL DESCRIPTION:

WATERY COLORED LIQUID

MAJOR HEALTH HAZARDS:

NONE FOR USUAL AND ORDINARY USES OF PRODUCT

PHYSICAL HAZARDS:

NONE FOR USUAL AND ORDINARY USES OF PRODUCT

ROUTES OF ENTRY:

INHALATION: NO

SKIN: NO

EYE: NO

INGESTION: NO

POTENTIAL HEALTH EFFECTS

NONE KNOWN FOR USUAL AND ORDINARY USES OF PRODUCT

INHALATION:

SHORT TERM EXPOSURE

N/A

LONG TERM EXPOSURE

N/A

SKIN CONTACT:

SHORT TERM EXPOSURE

N/A

LONG TERM EXPOSURE

N/A

EYE CONTACT

SHORT TERM EXPOSURE

N/A

LONG TERM EXPOSURE

N/A

INGESTION:

SHORT TERM EXPOSURE

N/A

LONG TERM EXPOSURE

N/A

CARCINOGEN STATUS:

NTP

NOT LISTED

IARC

NOT LISTED

OSHA

MAY-22-2006 11:02 AM ROSTONEJUN9

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P. 13

NOT LISTED
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
NONE

SECTION 4
FIRST AID MEASURES

EYES:
EYE CONTACT:
CAREFULLY FLUSH FOR 15 MINUTES. IF IRRITATION OCCURS, CONTACT A PHYSICIAN
SKIN:
WASH WITH SOAP AND WATER.
INHALATION:
NOT LIKELY TO OCCUR; SEEK FRESH AIR
INGESTION:
DRINK WATER OR MILK TO DILUTE. DO NOT INDUCE VOMITING.

SECTION 5
FIRE FIGHTING MEASURES

FLASH POINT:
NONE
FIRE AND EXPLOSION HAZARDS:
NONE
EXTINGUISHING MEDIA:
WATER, FOAM CARBON DIOXIDE OR DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES:
NONE REQUIRED FOR THIS MATERIAL

SECTION 6
ACCIDENTAL RELEASE MEASURES

SPILL/LEAK
CONTAIN SPILL. RECOVER AS MUCH AS POSSIBLE BY MECHANICAL MEANS.
PROCEDURES ABSORB REMAINDER WITH AN INER MATERIAL.
PLACE INTO CLOSED CONTAINER AND STORE TO AWAIT DISPOSAL.
WASH AREA WITH SOAP & WATER

SECTION 7
HANDLING AND STORAGE

STORAGE TEMPERATURE
(MIN/MAX) STORE AT 70 DEG F.
(MIN: 50 DEG F MAX: 100 DEG F
SHELF LIFE:NOT DETERMINED
SPECIAL Sensitivity
NONE LIKELY OR KNOWN

MAY-22-2006 11:03 AM Rostow&Jun?

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P-14

HANDLING AND STORAGE:
FOR PERSONAL PROTECTION AND HYGIENE:
WASH THOROUGHLY AFTER HANDLING. WASH BEFORE EATING, SMOKING
OR USING TOILET FACILITIES.
PRECAUTIONS: AVOID EYE & SKIN CONTACT.
KEEP CONTAINER CLOSED WHEN IN USE AND UPRIGHT TO PREVENT
LEAKAGE.

SECTION 8
EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:
NONE KNOWN
EYE PROTECTION:
WEAR SPLASH GOGGLES WHERE SPILLS OR SPLASHING MAY OCCUR.
SKIN PROTECTION:
NOT REQUIRED.
RESPIRATORY AND VENTILATION:
WEAR APPROVED NIOSH/MSHA RESPIRATOR IF EXPOSURE TO MIST OR
VAPOR EXCEEDS APPLICABLE PEL/TLV LIMITS. USE IN ACCORDANCE WITH
MANUFACTURER'S USE SUGGESTIONS & OSHA STANDARD 1910.134

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM
WATERY LIQUID
CLEAR TO AMBER
VARIOUS COLORS
ODOR
NO DISCERNIBLE ODOR
BOILING POINT
212 DEG. F.
MELT POINT
N/A
FREEZE POINT
32 DEG. F.
PH
N/A
SOLUBILITY IN WATER:
MISCIBLE LIQUID
SPECIFIC GRAVITY
N/A
BULK DENSITY
N/A
% VOLATILE BY WEIGHT
N/A
VAPOR PRESSURE

MAY-22-2006 11:03 AM Restou&Jung

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P. 15

EQUIV TO WATER
VAPOR DENSITY
EQUIV TO WATER

**SECTION 10
STABILITY AND REACTIVITY**

STABILITY:
STABLE
POLYMERIZATION:
NO
INCOMPATIBILITIES:
AVOID STRONG OXIDIZING AGENTS
DECOMPOSITION PRODUCTS:
NONE KNOWN
CONDITIONS TO AVOID:
N/A

**SECTION 11
TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS:
HEATED DECOMPOSITION PRODUCTS MAY CAUSE EYE AND RESPIRATOR IRRITATION.
INHALATION:
NOT LIKELY TO OCCUR; DO NOT SPRAY APPLY WITHOUT SOURCE OF FRESH AIR.
SKIN CONTACT:
PROLONGED LIQUID CONTACT WITH SKIN MAY CAUSE IRRITATION OR REDNESS.
EYE CONTACT:
PROLONGED LIQUID CONTACT WITH EYES MAY CAUSE IRRITATION REDNESS
INGESTION:
NO EFFECTS KNOWN IN USUAL AND ORDINARY USES OF PRODUCT

**SECTION 12
ECOLOGICAL INFORMATION**

NONE LIKELY; NOT KNOWN

**SECTION 13
DISPOSAL CONSIDERATION:**

WASTE DISPOSAL METHOD: DISPOSE OF ALL WASTE MATERIAL IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS FOR THE DISPOSAL OF AQUEOUS PAINT WASTES. DO NOT FLUSH LIQUID INTO PUBLIC SEWER OR WATER SYSTEMS

MAY-22-2006 11:04 AM Rostou&Juni

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P. 16

**SECTION 14
TRANSPORTATION INFORMATION:**

D.O.T. SHIPPING NAME:
NOT KNOWN
TECHNICAL SHIPPING NAME:
NOT KNOWN
D.O.T. HAZARD CLASS:
NOT KNOWN
U.N./N.A. NUMBER
NOT KNOWN
PRODUCT RQ (LBS)
NOT KNOWN
D.O.T. LABEL
NOT KNOWN
D.O.T. PLACARD
NOT KNOWN
FREIGHT CLASS BULK
NOT KNOWN
FREIGHT CLASS PACKAGE
NOT KNOWN
PRODUCT LABEL
NOT KNOWN

**SECTION 15
REGULATORY INFORMATION**

OSHA STATUS
N/A
TSCA STATUS
N/A
CERCLA REPORTABLE
N/A
QUANTITY
SARA TITLE III
N/A

**SECTION 32
EXTREMELY HAZARDOUS N/A SUBSTANCES**
SECTION 311/312 HAZARD CATEGORIES N/A
**SECTION 313
TOXIC CHEMICALS: N/A**
RCRA STATUS: N/A
STATE REGULATORY: N/A
**INFORMATION
COMPONENT NAME & CAS NUMBER
NONE
CONCENTRATION**

MAY-22-2006 11:04 AM Rostow&Jung

845 8875907

P. 17

NONE
STATE CODE
NONE
FHSA STATUS
CONFORMS TO ASTM D-4236, LHAMA AND FHSA.
CFR 1500.14
ASTM D-4236 STATUS
CONFORMS TO ASTM D-4236

**SECTION 16
OTHER INFORMATION**

REASON FOR ISSUE: INITIAL DOCUMENT
PREPARED BY: ENVIRONMENTAL MEDICINE INCORPORATED
APPROVED BY: RUDOLPH J. JAEGER, PHD, DABT, REA
TITLE: PRESIDENT AND PRINCIPAL SCIENTIST
APPROVAL DATE 02/15/00
SUPERCEDES DATE:
MSDS NUMBER: 01

MSDS SUMMARY OF CHANGES: N/A
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RELIANCE UPON THESE DATA
REVISION DATE

MSDS for #40309 - AKUA INTAGLIO INKS

Page 1 of 4

MAY-22-2006 11:00 AM ROSTOW&JUNG

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P. 07

MATERIAL SAFETY DATA SHEET AKUA INTAGLIO INK OIL CONVERTER
PAGE 1 OF 4

DATE PREPARED 02/26/2002 LOC16PTMSDS NO. 01 foMASTER1

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME AKUA INTAGLIO INK OIL CONVERTER & TRANSPARENT BASE
PRODUCT CODE n/a
CHEMICAL FAMILY n/a
CHEMICAL NAME n/a
FORMULA n/a

MANUFACTURER NAME Rostow & Jung Water-based Printshop and Inks Inc.
ADDRESS 219 East 4th Street
CITY, STATE, ZIP New York NY 10009 USA
CONTACT PERSON: Susan Rostow
TITLE President
INFORMATION TEL: 1-212-473-4670
EMERGENCY TEL: 1-212-473-4670
CHEMTRAC TEL: N/A

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Listing	CAS No	OSHA PEL	ACGIH TLV	STEL	% COMP
PROPRIETARY INGRED		56-R1-5	N/L	N/L	N/L 100.00

The proprietary ingredients in this product are judged to be non-hazardous and are regarded as trade secrets.

SECTION 3 HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW:** Non hazardous material

PHYSICAL DESCRIPTION: Paste
MAJOR HEALTH HAZARDS: None for the usual and ordinary uses of product.
PHYSICAL HAZARDS: None for the usual and ordinary uses of product.
ROUTES OF ENTRY: INHALATION no SKIN no EYE INGESTION no
POTENTIAL HEALTH EFFECTS: None known for usual and ordinary uses of product

INHALATION:
SHORT TERM EXPOSURE n/a
LONG TERM EXPOSURE n/a

SKIN CONTACT:
SHORT TERM EXPOSURE n/a
LONG TERM EXPOSURE n/a

EYE CONTACT:
SHORT TERM EXPOSURE n/a
LONG TERM EXPOSURE n/a

INGESTION:
SHORT TERM EXPOSURE n/a
LONG TERM EXPOSURE n/a

MSDS for #40309 - AKUA INTAGLIO INKS

Page 2 of 4

MAY-22-2006 11:00 AM Rostow&Jun9

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P. 08

MATERIAL SAFETY DATA SHEET AKUA INTAGLIO INK OIL CONVERTER

CARCINOGEN STATUS: NTP not listed IARC not listed OSHA not listed

PAGE: 2 OF 4

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: none

SECTION 4 FIRST AID MEASURES**EYES:** eye contact: carefully flush for 15 minutes. If irritation occurs, contact a physician.**SKIN:** Wash with soap and water**INHALATION:** Not likely to occur; seek fresh air**INGESTION:** Drink water or milk to dilute.**SECTION 5 FIRE FIGHTING MEASURES****FLASH POINT:** None**FIRE AND EXPLOSION HAZARDS:** None**EXTINGUISHING MEDIA:** Water, foam, carbon dioxide or dry chemical**SPECIAL FIRE FIGHTING PROCEDURES:** None required for this material**SECTION 6 ACCIDENTAL RELEASE MEASURES****SPILL/LEAK PROCEDURES** Wash area with soap and water.**SECTION 7 HANDLING AND STORAGE****STORAGE TEMPERATURE (min/max)** Store at 70 deg F. (Min 50 deg Max 100 deg F.)**SHELF LIFE:** Not determined**SPECIAL SENSITIVITY:** None likely or known**HANDLING AND STORAGE:** For personal protection and hygiene, wash thoroughly after handling.

Wash

before eating, smoking or using toilet facilities. Store in a tightly closed container. Store in a cool, dry, place.

PRECAUTIONS: Avoid eye & skin contact. Keep container closed when in use and upright to

Prevent leakage

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION**EXPOSURE LIMITS:** None known**EYE PROTECTION:** Wear splash goggles where spills or splashing may occur.

MSDS for #40309 - AKUA INTAGLIO INKS

MAY-22-2006 11:01 AM Restlow&Junt

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P. 09

SKIN PROTECTION: Not required.

MATERIAL SAFETY DATA SHEET AKUA INTAGLIO INK OIL CONVERTER

RESPIRATORY AND VENTILATION: Not required

PAGE 3 OF 4**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM paste or thick liquid
COLOR clear/white
ODOR no discernible odor
BOILING POINT 212 deg F
MELT POINT n/a
FREEZE POINT 32 deg F
PH n/a
SOLUBILITY IN WATER miscible
SPECIFIC GRAVITY n/a
BULK DENSITY n/a
% VOLATILE BY WEIGHT n/a
VAPOR PRESSURE n/a
VAPOR DENSITY n/a

SECTION 10 STABILITY AND REACTIVITY

STABILITY: stable
POLYMERIZATION: no
INCOMPATIBILITIES: none known
DECOMPOSITION PRODUCTS: none known
CONDITIONS TO AVOID: n/a

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Heated decomposition products may cause eye and respiratory irritation.
INHALATION: Not likely to occur; do not spray apply without source of fresh air.
SKIN CONTACT: Prolonged liquid contact with skin may cause irritation or redness.
EYE CONTACT: Prolonged liquid contact with eyes may cause irritation or redness.
INGESTION: No effects known in usual and ordinary uses of product

SECTION 12 ECOLOGICAL INFORMATION

None likely; not known

SECTION 13 DISPOSAL CONSIDERATIONS

MSDS for #40309 - AKUA INTAGLIO INKS

Page 4 of 4

MAY-22-2006 11:01 AM Rostow&Jung

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P. 10

WAST DISPOSAL METHOD: Dispose of all waste material in accordance with all applicable federal, state and local regulations.

MATERIAL SAFETY DATA SHEET AKUA INTAGLIO INK OIL CONVERTER
SECTION 14 TRANSPORTATION INFORMATION PAGE 4 OF 4

D.O.T. SHIPPING NAME: not known
 TECHNICAL SHIPPING NAME: not known
 D.O.T. HAZARD CLASS: not known
 U.N./N.A. NUMBER: not known
 PRODUCT RQ (LBS): not known
 D.O.T. LABEL: not known
 D.O.T. PLACARD: not known
 FREIGHT CLASS BULK: not known
 FREIGHT CLASS PACKAGE: not known
 PRODUCT LABEL: not known

SECTION 15 REGULATORY INFORMATION

OSHA STATUS n/a

TSCA STATUS n/a

CERCLA REPORTABLE QUANTITY n/a

SARA TITLE III: n/a

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES n/a

SECTION 311/312 HAZARDOUS CATEGORIES n/a

SECTION 313 TOXIC CHEMICALS n/a

RCRA STATUS n/a

STATE REGULATORY INFORMATION n/a

COMPONENT NAME & CAS NUMBER	CONCENTRATION	STATE CODE
None	none	none
FHSA STATUS	Conforms to ASTM D-4236, LHAMA AND FHSA	
16 CFR 1500.14		
ASTM D-4236 STATUS	Conforms to ASTM D-4236	

SECTION 16 OTHER INFORMATION

REASON FOR ISSUE: Initial Document

PREPARED BY: Environmental Medicine Incorporated

APPROVED BY: Rudolph J. Jaeger, PhD, DABT, REA (California)

TITLE: President and Principal Scientist

APPROVAL DATE: 02/27/2002

SUPERCEDES DATE: none

MSDS NUMBER: 01

MSDS SUMMARY OF CHANGES: n/a

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MSDS for #40309 - AKUA INTAGLIO INKS

MATERIAL SAFETY DATA SHEET - NO. 07 AKUA INTAGLIO - WATER BASED INKS
 DATE PREPARED 02/08/2002 DATE REVISED March 31, 2008

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AKUA INTAGLIO - WATER BASED INKS
 PRODUCT CODE: n/a
 CHEMICAL FAMILY: n/a
 CHEMICAL NAME: n/a
 FORMULA: n/a
 MANUFACTURER NAME: Rostow & Jung Printshop and Inks Inc
 ADDRESS: 419 East 4th Street
 CITY, STATE, ZIP: New York NY 10009 USA
 CONTACT PERSON: Susan Rostow
 TITLE: President
 INFORMATION TEL: 1-212-473-4670
 EMERGENCY TEL: 1-212-473-4670
 CAS NUMBER: N/A

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Listing	CAS No.	OSHA P.	AHJ	HILL	% COND.
PROPRIETARY INGRED	66 81 5	N/T.	N/T.	N/E	100.00

The proprietary ingredients in this product are judged to be non-hazardous and are regarded as trade secrets.

SECTION 3. HAZARDS IDENTIFICATION

EFFECTENCY STATEMENT: Non hazardous material
 PHYSICAL DESCRIPTION: Paste or thick liquid
 MAJOR HEALTH HAZARDS: None for the usual and ordinary uses of product
 PHYSICAL HAZARDS: None for the usual and ordinary uses of product
 ROUTES OF ENTRY: INHALATION no SKIN no EYE INGESTION no
 ENVIRONMENTAL HAZARD EFFECTS: None known for usual and ordinary uses of product.
 ACUTE TOXICITY: n/a
 LONG TERM EXPOSURE: n/a
 SKIN CONTACT:
 SHORT TERM EXPOSURE: n/a
 LONG TERM EXPOSURE: n/a
 EYE CONTACT:
 SHORT TERM EXPOSURE: n/a
 LONG TERM EXPOSURE: n/a
 CARCINOGEN RISK: N/A not listed IARC not listed OSHA not listed

MSDS for #40309 - AKUA INTAGLIO INKS

MATERIAL SAFETY DATA SHEET - NO 01 AKUA INTAGLIO WATER BASED INKS 2 OF 5

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: none

SECTION 4 FIRST AID MEASURES

EYES: Eye contact: carefully flush for 15 minutes. If irritation occurs, contact a physician.

SKIN: Wash with soap and water

INHALATION: Not likely to occur; seek fresh air

INGESTION: Drink water or milk to dilute.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: None

FIRE AND EXPLOSION HAZARDS: None

EXTINGUISHING MEDIA: Water, foam, carbon dioxide or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None required for this material.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Wash area with soap and water.

SECTION 7 HANDLING AND STORAGE

STORAGE TEMPERATURE (min/max): Store at 70 deg F. (Min 50 deg F Max 100 deg F.)

SHELF LIFE: Not determined

SPECIAL SENSITIVITY: None likely or known

HANDLING AND STORAGE: For personal protection and hygiene, wash thoroughly after handling. Wash before eating, smoking or using toilet facilities. Store in a tightly closed container. Store in a cool, dry, place.

PRECAUTIONS: Avoid eye & skin contact. Keep container closed when in use and upright to prevent leakage.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: None known

Item Numbers: 40309-0089, 40309-1020, 40309-1021, 40309-1023, 40309-2020, 40309-2120, 40309-2121, 40309-2123, 40309-3080, 40309-3120, 40309-3121, 40309-3123, 40309-3160, 40309-3161, 40309-3163, 40309-4040, 40309-4041, 40309-4043, 40309-4480, 40309-4481, 40309-4700, 40309-4701, 40309-4703, 40309-4820, 40309-5160, 40309-5161, 40309-5163, 40309-5230, 40309-6231, 40309-6510, 40309-7800, 40309-7801, 40309-7803, 40309-8040, 40309-8050, 40309-8070, 40309-8310, 40309-8030, 40309-9031, 40309-9033, 40309-9320, 40309-9321, 40309-9323, 40309-1080, 40309-1083, 40309-2023, 40309-2040, 40309-2043, 40309-2100, 40309-2103, 40309-2560, 40309-2563, 40309-2610, 40309-2613, 40309-3820, 40309-3823, 40309-7110, 40309-7113

MSDS for #40309 - AKUA INTAGLIO INKS

Page 3 of 5

MATERIAL SAFETY DATA SHEET - NO. 01 AKUA INTAGLIO - WATER BASED INKS 3 OF 5

EYE PROTECTION: Wear splash goggles where spills or splashing may occur.

SKIN PROTECTION: Not required.

RESPIRATORY AND VENTILATION: Not required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: paste or thick liquid
COLOR: various colors
ODOR: no discernible odor
BOILING POINT: 212 deg F
MELTING POINT: n/a
FREEZE POINT: 32 deg F.
PH: n/a
SOLUBILITY IN WATER: miscible
SPECIFIC GRAVITY: n/a
BULK DENSITY: n/a
% SOLUBLE BY WEIGHT: n/a
VAPOR PRESSURE: n/a
VAPOR DENSITY: n/a

SECTION 10 STABILITY AND REACTIVITY

STABILITY: stable

DECOMPOSITION: no

INCOMPATIBILITIES: none known

DECOMPOSITION PRODUCTS: none known

CONDITIONS TO AVOID: n/a

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Heated decomposition products may cause eye and respiratory irritation.
HAZARD ON: Not likely to occur; do not spray apply without source of fresh air.
SKIN CONTACT: Prolonged liquid contact with skin may cause irritation or redness.
EYE CONTACT: Prolonged liquid contact with eyes may cause irritation or redness.
INHALATION: No effects known in usual and ordinary uses of product.

SECTION 12 ECOLOGICAL INFORMATION

MSDS for #40309 - AKUA INTAGLIO INKS

MATERIAL SAFETY DATA SHEET NO. 01 AKUA INTAGLIO WATER BASED INKS
 None likely; not known

SECTION 13 DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL
 METHOD: Dispose of all waste material in accordance with all applicable
 federal, state and local regulations.

SECTION 14 TRANSPORTATION INFORMATION:

UNSP. SHIPPING NAME: not known
 HAZARDOUS SHIPPING NAME: not known
 HAZ. ID. LABEL: not known
 U.N./N.A. NUMBER: not known
 PRODUCT CODE (IES): not known
 HAZ. ID. LABEL: not known
 HAZ. ID. LABEL: not known
 HAZ. ID. LABEL: not known
 TREATMENT OR SHIP. PACKAGE: not known
 PRODUCT NAME: not known

SECTION 15 REGULATORY INFORMATION

RCRA REPORTABLE QUANTITY: n/a
 RCRA REPORTABLE QUANTITY: n/a
 CERCLA REPORTABLE QUANTITY: n/a
 DANGEROUS MATERIAL: n/a
 SECTION 302
 EXTREMELY HAZAROUS SUBSTANCES: n/a
 SECTION 311/312
 HAZARD CHARACTERISTICS: n/a
 SECTION 313
 TOXIC CHEMICALS: n/a
 RCRA REPORTABLE QUANTITY: n/a
 OTHER REGULATORY INFORMATION: n/a
 COMPONENT NAME & CAS NUMBER: none
 CONCENTRATION: none
 STATE CODE: none

MSDS for #40309 - AKUA INTAGLIO INKS

MATERIAL SAFETY DATA SHEET NO. 01 AKUA INTAGLIO WATER BASED INKS 5 OF 5

PHSA COMPLIANCE CONFORMS TO ASTM D-4236, LEAD AND PHSA

16 CFR 1500.16 CONFORMS TO ASTM D-4236

SECTION 15 OTHER INFORMATION

REASON FOR ISSUE: Formulation changes
APPROVED BY: Environmental Medicine Transparency
APPROVED BY: Rudolph C. Jaeger, PhD, DART, PFA (California)
TITLE: President and Principal Scientist
APPROVAL DATE: 02/27/2008
SUPERSEDES DATE: 02/27/2002
MSDS NUMBER: 01

PHSA SUMMARY OF CHANGES: N/A

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REVISED DATE: 02/27/2008

MSDs

Page 1 of 6

MATERIAL SAFETY DATA SHEET
AKUA-KOLOR WATER-BASED INKS
DATE PREPARED
February 15, 2000, UPDATED 2006

SECTION 1
CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
AKUA-KOLOR WATER-BASED INK
PRODUCT CODE
N/A
CHEMICAL FAMILY
N/A
CHEMICAL NAME
N/A
FORMUAL
N/A
MANUFACTURE
ROSTOW & JUNG WATER-BASED PRINTSHOP & INKS, INC.
219 EAST 4TH STREET, NY, NY 10009 USA
CONTACT PERSON:
SUSAN ROSTOW
INFORMATION TEL:
212-473-4670
EMERGENCY TEL:
212-473-4670
CHEMTREC TEL:
N/A

SECTION 2
COMPOSITION, INFORMATION OR INGREDIENTS

INGREDIENT LISTING
PROPRIETARY INGRED MIXTURE
CAS NO
N/L
OSHA
PEL
ACGIH TLV
N/L
STEL
N/L
COMP
N/L 100.00

The proprietary ingredients in this product are judged to be non-hazardous and are regarded as trade secrets.

SECTION 3
HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
NON-HAZARDOUS MATERIAL
PHYSICAL DESCRIPTION:
WATERY COLORED LIQUID
MAJOR HEALTH HAZARDS:

MSDs

Page 2 of 6

NONE FOR USUAL AND ORDINARY USES OF PRODUCT
PHYSICAL HAZARDS:
 NONE FOR USUAL AND ORDINARY USES OF PRODUCT
ROUTES OF ENTRY:
INHALATION: NO
SKIN: NO
EYE: NO
INGESTION: NO
POTENTIAL HEALTH EFFECTS
 NONE KNOWN FOR USUAL AND ORDINARY USES OF PRODUCT
INHALATION:
SHORT TERM EXPOSURE
 N/A
LONG TERM EXPOSURE
 N/A
SKIN CONTACT:
SHORT TERM EXPOSURE
 N/A
LONG TERM EXPOSURE
 N/A
EYE CONTACT:
SHORT TERM EXPOSURE
 N/A
LONG TERM EXPOSURE
 N/A
INGESTION:
SHORT TERM EXPOSURE
 N/A
LONG TERM EXPOSURE
 N/A
CARCINOGEN STATUS:
 NTP
 NOT LISTED
 IARC
 NOT LISTED
 OSHA
 NOT LISTED
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
 NONE

SECTION 4 FIRST AID MEASURES

EYES:
EYE CONTACT:
 CAREFULLY FLUSH FOR 15 MINUTES. IF IRRITATION OCCURS, CONTACT A PHYSICIAN
SKIN:
 WASH WITH SOAP AND WATER.
INHALATION:
 NOT LIKELY TO OCCUR; SEEK FRESH AIR
INGESTION:
 DRINK WATER OR MILK TO DILUTE. DO NOT INDUCE VOMITING.

SECTION 5 FIRE FIGHTING MEASURES

MSDs

Page 3 of 6

FLASH POINT:
NONE
FIRE AND EXPLOSION HAZARDS:
NONE
EXTINGUISHING MEDIA:
WATER, FOAM CARBON DIOXIDE OR DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES:
NONE REQUIRED FOR THIS MATERIAL

**SECTION 6
ACCIDENTAL RELEASE MEASURES**

SPILL/LEAK
CONTAIN SPILL. RECOVER AS MUCH AS POSSIBLE BY MECHANICAL MEANS.
PROCEDURES ABSORB REMAINDER WITH AN INER MATERIAL.
PLACE INTO CLOSED CONTAINER AND STORE TO AWAIT DISPOSAL.
WASH AREA WITH SOAP & WATER.

**SECTION 7
HANDLING AND STORAGE**

STORAGE TEMPERATURE
(MIN/MAX) STORE AT 70 DEG F.
(MIN: 50 DEG F MAX: 100 DEG F.
SHELF LIFE:NOT DETERMINED
SPECIAL Sensitivity
NONE LIKELY OR KNOWN
HANDLING AND STORAGE:
FOR PERSONAL PROTECTION AND HYGIENE:
WASH THOROUGHLY AFTER HANDLING.WASH BEFORE EATING, SMOKING OR USING
TOILET FACILITIES.
PRECAUTIONS: AVOID EYE & SKIN CONTACT.
KEEP CONTAINER CLOSED WHEN IN USE AND UPRIGHT TO PREVENT LEAKAGE.

**SECTION 8
EXPOSURE CONTROLS, PERSONAL PROTECTION**

EXPOSURE LIMITS:
NONE KNOWN
EYE PROTECTION:
WEAR SPLASH GOGGLES WHERE SPILLS OR SPLASHING MAY OCCUR.
SKIN PROTECTION:
NOT REQUIRED.
RESPIRATORY AND VENTILATION:
WEAR APPROVED NIOSH/MSHA RESPIRATOR IF EXPOSURE TO MIST OR VAPOR EXCEEDS
APPLICABLE PEL/TLV LIMITS. USE IN ACCORDANCE WITH MANUFACTURER'S USE
SUGGESTIONS & OSHA STANDARD 1910.134

**SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM
WATERY LIQUID
COLOR:
VARIOUS COLORS

MSDs

Page 4 of 6

ODOR
NO DISCERNIBLE ODOR
BOILING POINT
212 DEG. F.
MELT POINT
N/A
FREEZE POINT
32 DEG. F.
PH
N/A
SOLUBILITY IN WATER:
MISCIBLE LIQUID
SPECIFIC GRAVITY
N/A
BULK DENSITY
N/A
% VOLATILE BY WEIGHT
N/A
VAPOR PRESSURE
EQUIV TO WATER
VAPOR DENSITY
EQUIV TO WATER

SECTION 10
STABILITY AND REACTIVITY

STABILITY:
STABLE
POLYMERIZATION:
NO
INCOMPATIBILITIES:
AVOID STRONG OXIDIZING AGENTS
DECOMPOSITION PRODUCTS:
NONE KNOWN
CONDITIONS TO AVOID:
N/A

SECTION 11
TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:
HEATED DECOMPOSITION PRODUCTS MAY CAUSE EYE AND RESPIRATOR IRRITATION.
INHALATION:
NOT LIKELY TO OCCUR; DO NOT SPRAY APPLY WITHOUT SOURCE OF FRESH AIR.
SKIN CONTACT:
PROLONGED LIQUID CONTACT WITH SKIN MAY CAUSE IRRITATION OR REDNESS.
EYE CONTACT:
PROLONGED LIQUID CONTACT WITH EYES MAY CAUSE IRRITATION REDNESS
INGESTION:
NO EFFECTS KNOWN IN USUAL AND ORDINARY USES OF PRODUCT

SECTION 12
ECOLOGICAL INFORMATION

NONE LIKELY; NOT KNOWN

MSDs

Page 6 of 6

CONCENTRATION
 NONE
STATE CODE
 NONE
FHSA STATUS
 CONFORMS TO ASTM D-4236. LHAMA AND FHSA.
 CFR 1500.14
ASTM D-4236 STATUS
 CONFORMS TO ASTM D-4236

SECTION 16
OTHER INFORMATION

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APPROVED BY: RUDOLPH J. JAEGER, PHD, DABT, REA
TITLE: PRESIDENT AND PRINCIPAL SCIENTIST
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