

01205-1001

SDS**SAFETY DATA SHEET****RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906**

Contact Information:
 Rupert Gibbon & Spider, Inc.
 1147 Healdsburg Avenue
 Healdsburg, CA 95448
 707-433-9577

CHEMTREC (24HR Emergency Telephone),
 call: 1-800-424-9300
 International CHEMTREC, call: 1-703-527-3887
 For non-emergency assistance, call: 800-442-0455

Versatex Screen Printing Inks

SDS No: 300, 301, 302, 303, 304, 305, 306, 308, 309, 311, 313, 314, 315, 316, 319, 320, 321, 322, 324, 326, 327, 328, 329, 330, 331, 332, 333, 338, 339, 343, 345, 346, 347

Date: 04/08/2016

1. Chemical, Product and Company Identification

PRODUCT NAME: Versatex Sreen Printing Inks
 CATALOG CODES: All Colors
 CAS#: NA
 CI#: NA

2. Hazards Identification

This material is not hazardous under the criteria of Federal OSHA hazard communication standard 29 CFR 1910 1200.

OTHER HAZARDS: No data available

3. Composition and Information on Ingredients**Toxicological Data on Ingredients:**

Composition:	% by Weight	CAS #
Diethylaminoethanol	< .1%	100-37-8
Acrylic polymer(s)	</= 40 %	N/A
Residual monomers	</= .02%	N/A
Propylene glycol	<1%	N/A
IRON OXIDE	</= 10% (130-135 ONLY)	1309-37-1
Titanium Dioxide	> 12% (123, 137 & 220 Only)	13463-67-1
ORGANIC PIGMENTS	</=12%	N/A
DYED POLYMER PARTICLES	>/= 5% (151-157 ONLY)	N/A
ACRYLIC ACIDS	< 1%	N/A

4. First Aid Measures

EYE CONTACT: Wash immediately with large amounts of water for 15 minutes. Get medical attention if necessary. Do not wear contact lenses while handling.

INGESTION: Dilute with water and get medical attention immediately. Do not induce vomiting.

INHALATION: Move to fresh air.

Aside from the information found under description of first aid measures and indication of immediate medical attention and special treatment needed any additional important information and effects are described in Section 11.

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Section 5: Fire and Explosion Data

FLAMMABILITY OF THE PRODUCT: Not Flammable
 AUTO-IGNITION TEMPERATURE: Unknown
 FLASH POINTS: Not combustible

Flammable Limits:

PRODUCTS OF COMBUSTION: NA
 FIRE HAZARDS IN PRESENCE
 OF VARIOUS SUBSTANCES: NA
 SPECIAL HAZARDS: (arising from the substance or mixture hazardous
 combustion products:) No data available
 UNUSUAL FIRE/EXPLOSION HAZARDS: Material in liquid form can splatter above 100 degrees
 Celsius or 212 degrees Fahrenheit. dried product can burn.
 SUITABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.
 UNSUITABLE EXTINGUISHING MEDIA: No data available.
 ADVICE FOR FIREFIGHTERS
 FIREFIGHTING PROCEDURES: No data available
 SPECIAL PROTECTIVE EQUIPMENT
 FOR FIREFIGHTERS: Wear a self contained breathing apparatus and
 protective suit.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS,
 PROTECTIVE EQUIPMENT
 AND EMERGENCY PROCEDURES:

Use personal protective equipment. keep people away
 from the spill or leak. Material may cause slippery
 conditions.

ENVIRONMENTAL PRECAUTIONS:

Caution keep spills and cleaning runoff out of municipal
 sewers and open bodies of water.

METHODS AND MATERIALS FOR
 CONTAINMENT AND CLEANING
 UP SPILLED PRODUCT:

Contain the spill immediately with inert material such as
 kitty litter, sand or earth. Transfer the spilled paint
 and solid material to separate suitable containers for
 recovery or responsible disposal.

Section 7: Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with eyes skin and clothing. Wash their
 release after handling. Keep jars and containers tightly
 closed when not in use.

CONDITIONS FOR SAFE STORAGE:

Do not freeze. product stability will be affected. Stir or
 shake well before use.

SDS**SAFETY DATA SHEET****RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906****STORAGE STABILITY/STORAGE TEMPERATURE:**

1 - 49 degrees Celsius 434 to 120 degrees Fahrenheit. Do not freeze. Formaldehyde may be generated under acidic conditions. maintain adequate ventilation under these conditions to prevent exposure to formaldehyde above the recommended ceiling of .3 ppm. acidic conditions will also affect stability of product. avoid acidic conditions for material.

Section 8: Exposure Controls/Personal Protection

PROTECTIVE MEASURES:	Facilities storing or utilizing this material and large volume should be equipped with an eyewash station.
INDIVIDUAL PROTECTION MEASURES/ EYE AND FACE PROTECTION:	Safety glasses with side shields.
SKIN AND HAND PROTECTION:	Gloves

Section 9: Physical and Chemical Properties

PHYSICAL STATE AND APPEARANCE:	Colored liquid. Low-medium viscosity liquid
ODOR:	slight acrylic odor
TASTE:	NA
MOLECULAR WEIGHT:	NA
COLOR:	see label color of product
pH (1% SOLN/WATER):	9.5
SPECIFIC GRAVITY:	1.2
RELATIVE DENSITY (WATER=1):	+/- 1.2
FREEZING POINT:	0 C/ 32 F
BOILING POINTS:	100 C/ 212F
MELTING POINT:	No data available
FLASH POINT:	Non-combustible
EVAPORATION RATE(BUTYL ECETATE = 1):	<1
FLAMMABILITY (SOLID, GAS):	NA
LOWER EXPLOSION LIMIT:	NA
UPPER EXPLOSION LIMIT:	NA
CRITICAL TEMPERATURE:	NA
VAPOR PRESSURE:	22.665 @ 20C water
VAPOR PRESSURE:	NA
VAPOR DENSITY:	NA
VOLATILITY:	< 30%
ODOR THRESHOLD:	NA
WATER/OIL DIST. COEFF:	NA
IONICITY (IN WATER):	Anionic
DISPERSION PROPERTIES:	Suspention
SOLUBILITY IN WATER:	Dilutible
AUTO IGNITION TEMP:	NA

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DECOMPOSITION TEMP: NA
 VISCOSITY: 4000-46000cps
 KINETIC VISCOSITY: NA
 EXPLOSIVE PROPERTIES: NA
 OXIDIZING PROPERTIES: NA
 MELECULAR WEIGHT: NA

Section 10: Stability and Reactivity Data

REACTIVITY: No data available
 CHEMICAL STABILITY: Stable
 POSSIBILITY OF HAZARDOUS REACTIONS: None known
 Product may undergo polymerization
 CONDITIONS TO AVOID: extreme cold or heat
 INCOMPATIBLE MATERIALS: Strong acids
 HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield acrylic monomers

Section 11: Toxicological Information

SKIN CORROSION/IRRITATION: Skin irritation may occur
 SERIOUS EYE DAMAGE/IRRITATION: No eye irritation
 SENSITIZATION: No data available
 SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY: No data available
 CARCINOGENICITY: No data available
 REPRODUCTIVE TOXICITY: No data available
 MUTAGENICITY: No data available
 ASPIRATION HAZARD: No data available
 COMPONENTS INFLUENCING TOXICOLOGY: Residual Monomers
 ACRYLIC POLYMERS: Acute inhalation toxicity: The LC 50 has not been determined at this time.
 RESIDUAL MONOMERS: No information at this time.
 ACUTE INHALATION TOXICITY: The LC 50 has not been determined at this time.

Section 12: Ecological Information

GENERAL INFORMATION: No information available at this time
 ACRYLIC POLYMERS: Acute toxicity to fish: no relevant data found
 RESIDUAL MONOMERS: Acute toxicity to fish: no relevant data found
 PERSISTENCE AND DEGRADABILITY: NA
 ACRYLIC POLYMERS: Biodegradabilty: no relevant data found
 RESIDUAL MONOMERS: NA
 BIODEGRADABILTY: No relevant data found
 BIOACUMULATION POTENTIAL: NA
 ACRYLIC POLYMERS: NA
 BIOACUMULATION: No relevant data found
 RESIDUAL MONOMERS: NA

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BIOACUMULATION: No relevant data found
 MOBILITY IN SOIL: No relevant data available

Section 13: Disposal Considerations

WASTE DISPOSAL: Dispose in accordance with local regulation.

Section 14: Transport Information

Not Regulated/Not dangerous according to the above specifications.

Section 15: Other Regulatory Information**OSHA Hazard Communication Standard**

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product does not contain any chemicals which are listed in Section 313 at or above de minimis concentrations.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop 65

This product does NOT contain any chemicals known to the state of California to cause cancer.

Section 16: Other Information

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in

ventilation, toxicology or fire and understand the data in this SDS.

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SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Rupert, Gibbon and Spider, INC. Photo Emulsion/Diazo Sensitizer
 Emergency Phone Number: Poison Control (800) 222-1222 Signal Word N/A

SECTION 2 — HAZARDS IDENTIFICATION

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution. Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.

SECTION 3 — COMPOSITION INFORMATION ON INGREDIENTS

	CAS Number	Formula	Formula Weight	Concentration
Polyvinyl Acetate	9003-20-7			25-55%
Polyvinyl Alcohol	9002-89-5	[CH ₂ CH(OH)] _n	Varies 18.00	12-35%
Bozoate Ester	propriety			5-18%
WATER	7732-18-5	H ₂ O		

Solution Polyvinyl alcohol Water Synonyms: Quieting solution; PVA solution
 WATER & BENZOATE ESTER

SECTION 4 — FIRST AID MEASURES

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution. Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

NFPA CODE
 None established

In case of fire: Use a tri-class dry chemical fire extinguisher.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

Revision Date: JUNE 16, 2015

Emergency Phone Number: Poison Control (800-222-1222)

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides. Keep tightly closed. This substance will act as a growth media and should be kept cool. If you can, keep it in a plastic bag in the laboratory refrigerator

SECTION 8 — EXPOSURE CONTROLS PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

RED, viscous liquid. Odorless.

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Poor, unless kept cool and uncontaminated

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A.

ORL-RAT LD50: 23,854 mg/kg (as PVA)

Chronic effects: N.A.

IHL-RAT LC50: N.A.

Target organs: N.A.

SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding. Rupert, Gibbon, and Spider, Inc. Suggested Disposal Method #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Rupert, Gibbon, and Spider, INC. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. **FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).**