

SAFETY DATA SHEET (SDS)



Jacquard Products
 Manufactured by Rupert, Gibbon & Spider, Inc.
 P.O. Box 425 | Healdsburg, CA 95448
 800.442.0455 | Fax: 707.433.4906
 www.jacquardproducts.com

01231-XXXX

Permanent Water-based Resist - Pg 1

Revision Date: 03/02/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

| | | |
|----------------------|--|---|
| Product Name: | PERMANENT WATER-BASED RESIST | |
| Product Number/Code: | 881-888 (ALL COLORS) | |
| Recommended Use: | Water-based paint for textile art | |
| Restrictions on use: | None known | |
| Manufacturer: | Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577 | |
| Emergency Number: | ChemTel, Inc. - Contract #MIS9128344 | |
| | North America: 1-800-255-3924 | International: 1-813-248-0585 |

SECTION 2 - HAZARD(S) IDENTIFICATION

This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.

Toxicological Data on Ingredients:

| | |
|------------------------|----------------|
| Hazard Classification | Not hazardous |
| Physical Hazards: | Not classified |
| Health Hazards: | Not classified |
| Environmental Hazards: | Not classified |

Label Elements

| | |
|------------------------------|--|
| Pictogram: | None |
| Signal Words: | None |
| Hazard Statements-EU: | The mixture does not meet the criteria for classification. |

Precautionary Statements-EU:

| | |
|-------------------------------------|-----------------------|
| Prevention: | See section 8 |
| Response: | See sections 4, 5 & 6 |
| Storage: | See section 7 |
| Disposal: | See section 13 |
| Hazard(s) not otherwise classified: | No data available |

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical identity | Content in percent (%)* | CAS # |
|-----------------------------|-------------------------|------------|
| Potassium alumina silicates | < 5% | 12001-26-2 |
| Diethylaminoethanol | < 0.1% | 100-37-8 |
| Acrylic polymer(s) | >/= 22% | |
| Residual monomers | </= 0.02% | |
| Urethane resins | >/= 29% | |
| Propylene glycol | < 1% | |
| Iron oxide | >/= 0.5% | |
| Titanium Dioxide | >/= 0.5% | |

SECTION 4 - FIRST AID MEASURES

| Description of first aid measures: | |
|--|--|
| In the event of eye contact: | Wash immediately with large amounts of water for 15 minutes. Get medical attention if necessary. Do not wear contact lenses when handling. |
| In the event of swallowing: | Dilute with water and get medical attention immediately. Do not induce vomiting. |
| In the event of exposure by inhalation: | Move to fresh air. |
| Aside from the information found under the description of first aid measures and indication of immediate medical attention and special treatment needed, and additional important information and effects are described in Section 11. | |

SECTION 5 - FIREFIGHTING MEASURES

| | |
|--|---|
| Products of combustion: | N/A |
| Fire hazards in presence of various substances: | N/A |
| 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°C/212°F. Dried product can burn. |
| Suitable extinguishing media: | Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media: | No data available |
| Advice for firefighters/fire fighting procedures: | No data available |
| Special 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. |
| Methods and material for containment and clean up: | 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. |
| Environmental precautions: | Caution keep spills and cleaning runoff out of municipal sewers and open bodies of water. |

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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 including any incompatibilities: | Do not freeze. Product stability will be affected. Stir or shake well before use. |

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|---|
| Control parameters: | |
| Exposure controls: | Facilities storing or utilizing this material in large volume should be equipped with an eyewash station. |
| Individual protection measures, such as personal protective equipment: | |
| Eye/face protection: | Safety glasses with side shields |
| Hand protection: | Gloves |

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| General information: | |
|--|---|
| Appearance and physical state: | Low-medium viscosity liquid |
| Color: | See label color of product |
| Type of Odor: | Slight acrylic odor |
| Odor threshold: | N/A |
| Important health, safety and environmental information: | |
| Initial Boiling Point and Boiling Range: | 100°C/212°C |
| Melting Point/Freezing Point: | Melting Point: No data available / Freezing Point: 0°C/32°F |
| Flammability Classification: | Not Flammable |
| Flash Point: | Not combustible |
| Critical Temperature: | N/A |
| Auto-ignition Temperature: | Unknown |
| Volatility: | < 30% |
| Decomposition Temperature: | N/A |
| Flammability Limits (lower/upper): | N/A |
| Evaporation rate: | < 1 |
| Vapor Pressure: | 22.665 @ 20°C water |
| Vapor Density (Air=1): | N/A |
| Octanol/Water Partition Coefficient (log Pow): | N/A |
| Ionicity (in water): | Anionic |
| Dispersion Properties: | Suspension |
| Specific Gravity: | 1.2 |
| Bulk Density: | N/A |
| Water Solubility: | Dilutable |
| pH: | 9.5 (1% soln/water) |
| Viscosity: | 4000-4600 cps |
| Kinetic Viscosity: | N/A |
| Explosive Properties: | N/A |
| Oxidizing Properties: | N/A |
| Molecular Formula: | N/A |
| Molecular Weight: | N/A |
| Molecular Weight: | N/A |
| Relative Density: | +/- 1.2 |

SECTION 10 - STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Reactivity: | No data available |
| 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. |

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SECTION 11 - TOXICOLOGICAL INFORMATION

| Information on toxicological effects: | |
|---|--|
| Acute toxicity (list all possible routes of exposure) | |
| Acute Inhalation Toxicity: | The LC50 has not been determined at this time. |
| Skin Corrosion/Irritation: | Skin irritation may occur |
| Serious Eye Damage / Eye Irritation: | No eye irritation |
| Respiratory or Skin Sensitization: | No data available |
| Germ Cell Mutagenicity: | No data available |
| Carcinogenicity: | No data available |
| Reproductive Toxicity: | No data available |
| Specific Target Organ Toxicity - single exposure (STOT-se): | No data available |
| Specific Target Organ Toxicity - repeated exposure (STOT-re): | No data available |
| Aspiration Hazard: | No data available |
| Components influencing toxicology: | Residual monomers |
| Acrylic Polymers: | No information at this time. |
| Residual Monomers: | No information 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: | N/A |
| Acrylic polymers: | Biodegradability: no relevant data found. |
| Residual monomers: | N/A |
| Biodegradability: | No relevant data found. |
| Bioaccumulation potential: | N/A |
| Acrylic monomers: | N/A |
| Bioaccumulation: | No relevant data found. |
| Residual monomers: | N/A |
| Bioaccumulation: | No relevant data found. |
| Mobility in soil: | No relevant data available. |

SECTION 13 - DISPOSAL CONSIDERATIONS

| Waste treatment methods: | |
|---------------------------------|--|
| Disposal: | Dispose in accordance with local regulation. |

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SECTION 14 - TRANSPORT INFORMATION

| | |
|--------------------------------------|--|
| General Information: | The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT). |
| UN number: | Not relevant |
| UN proper shipping name: | Not relevant |
| Transport hazard class: | Not relevant |
| Packing group: | Not relevant |
| Environmental Hazards: | |
| Environmentally hazardous substance: | No |
| Special precautions for user: | Not relevant |

SECTION 15 - REGULATORY INFORMATION

| | |
|---|---|
| Safety, health and environmental regulations/legislation specific for the substance or mixture: | |
| Hazard categories | |
| OSHA Hazard Communication Standard: | This product is considered non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| 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 29 CFR 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 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 SDS 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 Proposition 65: | This product does NOT contain any chemicals known to the state of California to cause cancer. |

SECTION 16 - OTHER INFORMATION

| | |
|---|--------------------------|
| HMIS Hazard ID: | |
| Health: | No information available |
| Flammability: | No information available |
| Reactivity: | No information available |
| Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect | |

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Disclaimer:

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.

Revision Date: 03/02/2018**National Chemical Inventories:**

All components of this product are listed on the following chemical substance inventories: TSCA (USA)

| | |
|--------|-------------------|
| DSL | (Canada) |
| EINECS | (Europe) |
| ENCS | (Japan) ECL |
| | (Korea) |
| AICS | (Australia) NZIoC |
| | (New Zealand) |
| PICCS | (Philippines) |
| IECSC | (China) |

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| Abbreviations: | |
|-----------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADR | International carriage of Dangerous goods by Road |
| AICS | Australian Inventory of Chemical Substances |
| ATE | Acute Toxicity Estimate |
| BfR | Bundesinstitut für Risikobewertung recommendations for food contact materials |
| BCF | Bioconcentration Factor |
| BOD5 | 5-day Biochemical Oxygen Demand |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act |
| CLP | Classification, Labeling and Packaging regulation |
| COD | Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List |
| EINECS | European Inventory of Existing Chemical Substances |
| ECL | Existing Chemicals List (Korea) |
| ENCS | Existing and New Chemical Substances Inventory (Japan) |
| EN 689 | Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy. |
| ERG | Emergency Response Guide |
| GHS | Globally Harmonized System |
| HMIS | Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association |
| ICAO | International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods |
| LD50 | Lethal Dose to 50% of test animal population |
| MAK | Maximale Arbeitsplatz Konzentration |
| NTP | National Toxicology Program |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety & Health Administration |
| PBT | Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit |
| PICCS | Philippine Inventory of Commercial Chemical Substances |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation and Authorization of Chemical Substances |
| RID | International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit |
| SVHC | Substance of Very High Concern |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Compound |
| WGK | Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System |