

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

Dye-Na-Flow

MSDS No: All Colors **Date:** 09/16/10

1. Product Identification

Product Code: All Colors

2. Composition/Information on Ingredients

Ingredients	CAS No.	OSHA-PEL	ACGIH-TLV	STEL
Acrylic Polymer Emulsion	N/L	N/L	N/L	N/L
Defoamer	N/L	N/L	N/L	N/L
Surfactant	N/L	N/L	N/L	N/L
Silicone Emulsion	N/L	N/L	N/L	N/L
Caster Oil	N/L	N/L	N/L	N/L
Titanium Dioxide	13463-67-7	10 mg/m3	10 mg/m3	N/L
Pigments	Mixture	N/L	N/L	N/L

This product has not been tested on animals, but the Toxicologist reviewing this product has judged the formulation to be "Not Rated Acutely Toxic". It is not likely to be an irritant to the eyes or skin. However, as with all chemical mixtures, it is prudent to avoid contact with eyes and skin.

3. Physical & Chemical Characteristics

Boiling Point: N/D

Vapor Pressure: N/D

Vapor Density: N/D

Solubility in Water: N/D

Appearance & Odor: Colored liquid paint

Specific Gravity: N/D

Melting Point: N/D

4. Fire & Explosion Data

Flash Point: N/D

Extinguishing Media: Use water, foam, carbon dioxide or dry chemical. This product is not likely to burn when wet.

Special Fire Procedures: None required for this material. However, when fighting any fire, wear positive pressure self-contained NIOSH approved breathing equipment.

Unusual hazards: Sealed containers may rupture; paint films may burn. This product presents no unusual fire or explosion hazards.

5. Reactivity Data

Stable: Yes

Conditions to Avoid: Strong oxidizing agents

Incompatibility: Avoid strong oxidizing agents

Hazardous Decomposition: Not likely

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

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6. Health Hazards

Routes of Entry for Inhalation: Vapors can be inhaled; not likely in toxic amounts

Routes of Entry for Eyes: Avoid all contact with eyes

Routes of Entry for Skin: Not likely in toxic amounts

Routes of Entry for Ingestion: Do not take internally

Carcinogenic: N/L

Signs & Symptoms of Exposure: Symptoms of irritation are not likely to occur when using this and similar water based latex paint mixtures

Medical Conditions Aggravated: N/K

First Aid for Inhalation: Remove to fresh air

First Aid for Eyes: Carefully flush with water for 15 minutes

First Aid for Skin: Wash with soap & water

First Aid for Ingestion: Do not induce vomiting. Drink milk or water. If symptoms persist seek medical attention

7. Special Precautions & Spill/Leak Procedures

Handling & Storage: As with all chemicals good industrial hygiene and proper work habits should be observed.

Steps if Spilled: Contain spill. Spill area will be slippery. Recover as much as possible for reuse. Spread commercial absorbent over remainder and place into sealed container for disposal.

Waste Disposal: Dispose of all waste material in accordance with all applicable Federal, state and local regulations.

8. Special Protection Information

Respiratory Protection: Not usually required.

Local Exhaust: May be used to prevent routine inhalation

Mechanical: mechanically exhaust vapors at point(s) of application

Special: N/A

Protective Gloves: Not normally needed

Eye Protection: Splash goggles

Other Protection: N/A

Work/Hygienic Practices: As with all chemicals, good industrial hygiene and proper work habits should be observed. Clean up work area after use.

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Metallic Water-Based Resist

MSDS No: All Colors **Date:** 09/16/10

1. Product Identification

Product Code: All Colors

2. Composition/Information on Ingredients

Hazardous Ingredients: None

3. Physical & Chemical Characteristics

Boiling Point: 212 F

Vapor Pressure: 68F

Vapor Density: <1 water

Solubility in Water: Dilutable

Appearance & Odor: Colored liquids with a mild odor

Specific Gravity: 1-1.5

Melting Point: N/A

Evaporation Rate: <1 H₂O

4. Fire & Explosion Data

Flash Point: Non-combustible

Auto Ignition: N/A

Extinguishing Media: N/A

Special Fire Procedures: Material can splatter above 212 F. Polymer film can burn

Unusual Hazards: N/A

5. Reactivity Data

Stable: Stable

Conditions to Avoid: N/A

Incompatibility: N/A

Hazardous Decomposition: N/A

Hazardous Polymerization: Will not occur

6. Health Hazards

Routes of Entry: Eyes, skin, ingestion and inhalation

Acute: May be irritating to the eyes and skin. Vapor or mist spray can cause headache, nausea and nose irritation.

Chronic: N/A

Signs & Symptoms of Exposure: N/A

Medical Conditions Aggravated: N/A

Carcinogenic: Formaldehyde and trace amounts of acrylic monomers. Listed hazard values refer only to Formaldehyde in its gaseous form. These liquid paints contain the dissolved form.

7. Emergency & First Aid Procedures

Inhalation: Move victim to fresh air.

Eyes: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists get medical attention.

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Skin: Wash affected areas with soap and water. If irritation persists get medical attention.

Ingestion: Give 1-2 glasses of water or milk. Consult a physician. Never give anything by mouth to an unconscious person.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Keep from freezing. Product may coagulate. Keep containers tightly closed. Store in a cool place out of reach of children.

Steps if Spilled: Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material (sand, earth, absorbents). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep large spills and cleaning runoffs out of municipal sewers and open bodies of water. Keep spill areas well ventilated.

Waste Disposal: Dispose of wet material in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: None required if good ventilation is maintained. Wear a NIOSH approved dust respirator suitable for concentrations and types of air contaminants encountered.

Ventilation: Mechanical local exhaust ventilation

Protective Gloves: Impervious rubber or plastic gloves

Eye Protection: Chemical splash goggles

Other Protection: N/A

Work/Hygienic Practices: N/A

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Silk Salt

MSDS No: #700 **Date:** 03/31/10

1. Product Identification

Product Name: Silk Salt

Product Code: #700

2. Hazardous Ingredients

Hazardous Components: None

3. Physical Data

Boiling Point: 1465 degrees C

Vapor Pressure: 2.4

Vapor Density: N/A

Solubility in Water: 26.4%

Appearance & Odor: White Crystalline solid, Halogen odor

Specific Gravity: 2.16

Melting Point: 801 degrees C

Evaporation Rate: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire or Explosive Hazards: N/A

5. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Avoid contact with strong acids. Becomes corrosive to metals when wet.

Hazardous Decomposition Products: May evolve chlorine gas when in contact with strong acids.

Hazardous Polymerization: Will not occur.

6. Health Effects Data

Routes of Entry: Ingestion, skin/eye contact, inhalation.

Acute: Acute inhalation: Irritation of the respiratory tract. Acute Skin Contact: Large amounts can cause irritation and if applied to damaged skin, absorption can occur with effects similar to those via ingestion. Acute Eye Contact: Irritation with burning and tears (salt concentration greater than the normal saline present). Acute Ingestion: Intake of large amounts has generally occurred for deliberate reasons: suicide, absorption, and to induce vomiting. The following effects were observed; nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral (fluid on the brain) or pulmonary edema (fluid in the lungs), blood cell shrinkage and brain damage (due to dehydration of the brain cells). Death is generally due to cardiovascular collapse or CNS damage. Less than a few grams would not be harmful.

Chronic: N/A

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Carcinogenic: N/A

Signs & Symptoms of Exposure: Irritation from inhalation, ingestion, or skin/eye contact.

Medical Conditions Aggravated by Exposure: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

7. Emergency and First Aid Procedures

Eye Contact: Flush with water immediately, lifting eyelids occasionally.

Skin Contact: Remove clothing from affected area. Wash skin thoroughly. Rinse carefully.

Ingestion: Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

Inhalation: If person breathers large quantities, remove to fresh air at once. If breathing stops, apply artificial respiration immediately.

8. Employee Protection Recommendations

Respiratory/Ventilation Protection: NIOSH/MSHA approved respirator for particulates.

Skin Protection: Protective clothing may be worn in dusty areas, but is generally not required.

Eye Protection: Eyeglasses or goggles should be worn in dusty areas.

Other Protection: N/A

Storage & Handling: Avoid humid or wet conditions as product will cake and become hard.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or seep into containers for proper disposal.

Waste Disposal Method: Follow applicable Federal, state and local regulations.

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