



# SAFETY DATA SHEET

Revision Date 13-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** SureFlo Acrylic Satin Enamel M/B

### Other means of identification

**Product Code** MS-1542  
**SKU(s)** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available.  
**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Diamond Vogel Paint  
1020 Albany Place SE  
Orange City, IA 51041  
Phone: 712-737-4993  
Fax: 712-737-4997

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity

Category 1A

### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

May cause cancer



**Appearance** No information available

**Physical state** liquid

**Odor** No information available

#### **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown acute toxicity 3.89% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name      | CAS No.    | Weight-% | Trade Secret |
|--------------------|------------|----------|--------------|
| Titanium dioxide   | 13463-67-7 | 5 - 10   | *            |
| Texanol            | 25265-77-4 | 1 - 5    | *            |
| Crystalline Silica | 14808-60-7 | 0.1 - 1  | *            |
| Benzophenone       | 119-61-9   | 0.1 - 1  | *            |
| Ammonium Hydroxide | 1336-21-6  | 0.1 - 1  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin Contact</b> | Wash skin with soap and water.   |
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water.   |

**Most important symptoms and effects, both acute and delayed****Symptoms** No information available.**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.**Specific hazards arising from the chemical**

No information available.

**Explosion data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

| Chemical Name                    | ACGIH TLV  | OSHA PEL  | NIOSH IDLH  |
|----------------------------------|--|---|---|
| Titanium dioxide<br>13463-67-7   | TWA: 10 mg/m <sup>3</sup>                        | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust  | IDLH: 5000 mg/m <sup>3</sup>  |
| Crystalline Silica<br>14808-60-7 | TWA: 0.025 mg/m <sup>3</sup> respirable fraction | (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust<br>: (30)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust<br>: (250)/( %SiO <sub>2</sub> + 5) mppcf TWA respirable fraction<br>: (10)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust |

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/face protection</b>      | No special technical protective measures are necessary.   |
| <b>Skin and body protection</b> | No special technical protective measures are necessary.   |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid                   | <b>Odor</b>           | No information available |
| <b>Appearance</b>     | No information available | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>                      | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------------|--------------------------|-------------------------|
| <b>pH</b>                            | 8.9±0.2                  |                         |
| <b>Melting point/freezing point</b>  | No information available |                         |
| <b>Boiling point / boiling range</b> | >= 26 °C / 79 °F         |                         |
| <b>Flash point</b>                   | > 94 °C / > 201 °F       |                         |
| <b>Evaporation rate</b>              | No information available |                         |
| <b>Flammability (solid, gas)</b>     | No information available |                         |
| <b>Flammability Limit in Air</b>     |                          |                         |
| <b>Upper flammability limit:</b>     | No information available |                         |
| <b>Lower flammability limit:</b>     | No information available |                         |
| <b>Vapor pressure</b>                | No information available |                         |
| <b>Vapor density</b>                 | No information available |                         |
| <b>Specific Gravity</b>              | 1.15                     |                         |
| <b>Water solubility</b>              | No information available |                         |
| <b>Solubility in other solvents</b>  | No information available |                         |
| <b>Partition coefficient</b>         | No information available |                         |
| <b>Autoignition temperature</b>      | No information available |                         |
| <b>Decomposition temperature</b>     | No information available |                         |
| <b>Kinematic viscosity</b>           | No information available |                         |
| <b>Dynamic viscosity</b>             | No information available |                         |
| <b>Explosive properties</b>          | No information available |                         |
| <b>Oxidizing properties</b>          | No information available |                         |

### Other Information

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Softening point</b>            | No information available |
| <b>Molecular weight</b>           | No information available |
| <b>VOC Content (%)</b>            | No information available |
| <b>Density</b>                    | 9.60 lbs/gal             |
| <b>Bulk density</b>               | No information available |
| <b>Percent solids by weight</b>   | 43.1%                    |
| <b>Percent volatile by weight</b> | 1.4%                     |
| <b>Percent solids by volume</b>   | 34.3%                    |
| <b>Actual VOC (lbs/gal)</b>       | 0.1                      |
| <b>Actual VOC (grams/liter)</b>   | 16.4                     |
| <b>EPA VOC (lbs/gal)</b>          | 0.4                      |
| <b>EPA VOC (grams/liter)</b>      | 45.6                     |
| <b>EPA VOC (lb/gal solids)</b>    | 0.4                      |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                            |                    |
|----------------------------|--------------------|
| <b>Product Information</b> | No data available  |
| <b>Inhalation</b>          | No data available. |
| <b>Eye contact</b>         | No data available. |
| <b>Skin Contact</b>        | No data available. |
| <b>Ingestion</b>           | No data available. |

| Chemical Name                    | Oral LD50             | Dermal LD50             | Inhalation LC50 |
|----------------------------------|-----------------------|-------------------------|-----------------|
| Titanium dioxide<br>13463-67-7   | > 10000 mg/kg ( Rat ) | -                       | -               |
| Texanol<br>25265-77-4            | = 3200 mg/kg ( Rat )  | > 15200 mg/kg ( Rat )   | -               |
| Crystalline Silica<br>14808-60-7 | = 500 mg/kg ( Rat )   | -                       | -               |
| Benzophenone<br>119-61-9         | > 10 g/kg ( Rat )     | = 3535 mg/kg ( Rabbit ) | -               |
| Ammonium Hydroxide<br>1336-21-6  | = 350 mg/kg ( Rat )   | -                       | -               |

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization** No information available.**Germ cell mutagenicity** No information available.**Carcinogenicity** No information available.

| Chemical Name                    | ACGIH | IARC     | NTP   | OSHA |
|----------------------------------|-------|----------|-------|------|
| Titanium dioxide<br>13463-67-7   | -     | Group 2B | -     | X    |
| Crystalline Silica<br>14808-60-7 | A2    | Group 1  | Known | X    |
| Benzophenone<br>119-61-9         | -     | Group 2B | -     | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)  
A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

|                                 |                            |
|---------------------------------|----------------------------|
| <b>Reproductive toxicity</b>    | No information available.  |
| <b>STOT - single exposure</b>   | No information available.  |
| <b>STOT - repeated exposure</b> | No information available.  |
| <b>Target Organ Effects</b>     | lungs, Respiratory system. |
| <b>Aspiration hazard</b>        | No information available.  |

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

13.67% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                   | Algae/aquatic plants                                 | Fish   | Crustacea   |
|---------------------------------|--|--|---|
| Texanol<br>25265-77-4           | 18.4: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 30: 96 h Pimephales promelas mg/L LC50                       | 95: 96 h Daphnia magna mg/L LC50                                      |
| Benzophenone<br>119-61-9        | -  | 13.2 - 15.3: 96 h Pimephales promelas mg/L LC50 flow-through | -   |
| Ammonium Hydroxide<br>1336-21-6 | -  | 8.2: 96 h Pimephales promelas mg/L LC50                      | 0.66: 48 h water flea mg/L EC50<br>0.66: 48 h Daphnia pulex mg/L EC50 |

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

| Chemical Name            | Partition coefficient |
|--------------------------|-----------------------|
| Texanol<br>25265-77-4    | 3.47                  |
| Benzophenone<br>119-61-9 | 3.58                  |

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                   | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Ammonium Hydroxide<br>1336-21-6 | Toxic<br>Corrosive                |

## 14. TRANSPORT INFORMATION

DOT Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

|                      |                   |
|----------------------|-------------------|
| <b>TSCA</b>          | Complies          |
| <b>DSL/NDSL</b>      | Complies *        |
| <b>EINECS/ELINCS</b> | Does not comply * |
| <b>ENCS</b>          | Does not comply * |
| <b>IECSC</b>         | Complies *        |
| <b>KECL</b>          | Does not comply * |
| <b>PICCS</b>         | Does not comply * |
| <b>AICS</b>          | Does not comply * |

\* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

|  |    |
|--|----|
| <b>Acute health hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Ammonium Hydroxide<br>1336-21-6 | 1000 lb                     | -                      | -                         | X                          |

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

