



# Material Safety Data Sheet

Issuing Date 28-Apr-2011

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** SDY-25-M-3M

**Product Code(s)** 984112

**Recommended Use** Traffic paint

**Product Technology** W/B

### Supplier Address

Ennis Paint Inc.  
5910 North Central Expressway  
Suite 1050  
Dallas TX 75206  
T: 800.331.8118  
800.331.8118 (For Technical Inquiries)

**Chemical Emergency Phone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### **WARNING!**

### **Emergency Overview**

May cause skin, eye, and respiratory tract irritation

Cancer hazard

WARNING! This product contains a chemical known in the State of California to cause cancer.

**Appearance** Yellow

**Physical State** Emulsion.

**Odor** Slight, Ammonia

### Potential Health Effects

#### **Principle Routes of Exposure**

Eye contact. Skin contact. Inhalation.

#### **Acute Toxicity**

##### **Eyes**

May cause irritation.

##### **Skin**

May cause irritation.

##### **Inhalation**

Inhalation of dust in high concentration may cause irritation of respiratory system. Sanding and grinding dust may be harmful if inhaled.

##### **Ingestion**

Ingestion may cause irritation to mucous membranes.

#### **Chronic Effects**

Inhalation exposure to respirable levels of crystalline silica may cause respiratory impairment and lung damage. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation.

#### **Aggravated Medical Conditions**

Respiratory disorders. Lungs.

#### **Environmental Hazard**

See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS-No     | Weight % |
|------------------|------------|----------|
| Titanium dioxide | 13463-67-7 | 3-7      |
| Propylene glycol | 57-55-6    | 1-5      |
| Quartz           | 14808-60-7 | 1-5      |

### 4. FIRST AID MEASURES

|                           |                                                                                                                                              |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.              |
| <b>Skin Contact</b>       | Wash off with warm water and soap. If skin irritation persists, call a physician.                                                            |
| <b>Inhalation</b>         | Move to fresh air. If symptoms persist, call a physician.                                                                                    |
| <b>Ingestion</b>          | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If symptoms persist, call a physician. |
| <b>Notes to Physician</b> | Treat symptomatically.                                                                                                                       |

### 5. FIRE-FIGHTING MEASURES

|                                                              |                                                                                                                                        |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flammable Properties</b>                                  | Not flammable.                                                                                                                         |
| <b>Flash Point</b>                                           | > 201°F / > 93.8°C                                                                                                                     |
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| <b>Explosion Data</b>                                        |                                                                                                                                        |
| <b>Sensitivity to Mechanical Impact</b>                      | None                                                                                                                                   |
| <b>Sensitivity to Static Discharge</b>                       | None                                                                                                                                   |
| <b>Protective Equipment and Precautions for Firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

|             |                         |                       |                          |                                        |
|-------------|-------------------------|-----------------------|--------------------------|----------------------------------------|
| <b>NFPA</b> | <b>Health Hazard 1</b>  | <b>Flammability 1</b> | <b>Instability 0</b>     | <b>Physical and Chemical Hazards -</b> |
| <b>HMIS</b> | <b>Health Hazard 1*</b> | <b>Flammability 1</b> | <b>Physical Hazard 0</b> | <b>Personal Protection -</b>           |

### 6. ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>      | Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.                                                                                                                |
| <b>Environmental Precautions</b> | Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.                                                                                         |
| <b>Methods for Containment</b>   | Prevent further leakage or spillage if safe to do so.                                                                                                                                   |
| <b>Methods for Cleaning Up</b>   | Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. |

### 7. HANDLING AND STORAGE

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.                               |
| <b>Storage</b>  | Keep container tightly closed. Keep in properly labeled containers. Keep out of the reach of children. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                  | ACGIH TLV                                        | OSHA PEL                                                                               | NIOSH IDLH                                                                                |
|--------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Quartz<br>14808-60-7           | TWA: 0.025 mg/m <sup>3</sup> respirable fraction | TWA: 0.1 mg/m <sup>3</sup> (vacated)                                                   | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust |
| 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>                                                              |

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

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

**Engineering Measures**

- Showers
- Eyewash stations
- Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection**  
**Skin and Body Protection**  
**Respiratory Protection**

Safety glasses with side-shields.  
 Protective gloves.  
 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.

**Hygiene Measures**

Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                           |                                    |                           |
|-----------------------------------|---------------------------|------------------------------------|---------------------------|
| <b>Appearance</b>                 | Yellow.                   | <b>Odor</b>                        | Slight, Ammonia.          |
| <b>Odor Threshold</b>             | No information available  | <b>Physical State</b>              | Emulsion                  |
| <b>pH</b>                         | No information available. |                                    |                           |
| <b>Flash Point</b>                | > 201°F / > 93.8°C        | <b>Autoignition Temperature</b>    | No information available. |
| <b>Decomposition Temperature</b>  | No information available. | <b>Boiling Point/Boiling Range</b> | No information available  |
| <b>Melting Point/Range</b>        | No information available  |                                    |                           |
| <b>Flammability Limits in Air</b> | No information available. | <b>Explosion Limits</b>            | No information available. |
| <b>Specific Gravity</b>           | 1.55-1.75                 | <b>Solubility</b>                  | Insoluble                 |
| <b>Evaporation Rate</b>           | No information available  | <b>Vapor Pressure</b>              | No data available         |
| <b>Vapor Density</b>              | No data available         | <b>EPA VOC (g/l)</b>               | <100                      |

## 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions.

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

**Conditions to Avoid** Dust formation.

**Hazardous Decomposition Products** Carbon oxides. Nitrogen oxides (NOx).

**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information** No acute toxicity information is available for this product.

### Component Information

| Chemical Name    | LD50 Oral             | LD50 Dermal              | LC50 Inhalation          |
|------------------|-----------------------|--------------------------|--------------------------|
| Propylene glycol | 20000 mg/kg ( Rat )   | = 20800 mg/kg ( Rabbit ) | -                        |
| Quartz           | 500 mg/kg ( Rat )     |                          |                          |
| Titanium dioxide | > 10000 mg/kg ( Rat ) |                          | > 6820 mg/m <sup>3</sup> |

### Chronic Toxicity

**Chronic Toxicity** Inhalation exposure to respirable levels of crystalline silica may cause respiratory impairment and lung damage. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name    | ACGIH | IARC     | NTP   | OSHA |
|------------------|-------|----------|-------|------|
| Titanium dioxide |       | Group 2B |       | X    |
| Quartz           | A2    | Group 1  | Known | X    |

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

A4 - Not Classifiable as a Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Target Organ Effects** Respiratory system.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name    | Toxicity to Algae                                            | Toxicity to Fish                                                                                                                                                                                                    | Toxicity to Microorganisms | Daphnia Magna (Water Flea)                                                               |
|------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------|
| Propylene glycol | EC50 96 h: = 19000 mg/L<br>(Pseudokirchneriella subcapitata) | LC50 96 h: 41 - 47 mL/L static (Oncorhynchus mykiss)<br>LC50 96 h: = 51400 mg/L static (Pimephales promelas)<br>LC50 96 h: = 51600 mg/L static (Oncorhynchus mykiss)<br>LC50 96 h: = 710 mg/L (Pimephales promelas) | EC50 = 710 mg/L 30 min     | EC50 48 h: > 1000 mg/L Static (Daphnia magna)<br>EC50 24 h: > 10000 mg/L (Daphnia magna) |

### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### Contaminated Packaging

Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated.

IATA Not regulated.

IMDG/IMO Not regulated.

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** All components are listed on the TSCA Inventory.  
**DSL** All components are listed either on the DSL or NDSL.

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

#### U.S. Federal Regulations

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>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical Name | CAS-No     | California Prop. 65 |
|---------------|------------|---------------------|
| Quartz        | 14808-60-7 | Carcinogen          |

**U.S. State Right-to-Know Regulations**

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|------------------|------------|---------------|--------------|----------|--------------|
| Propylene glycol | X          | -             | X            | -        | X            |
| Quartz           | X          | X             | X            | -        | X            |
| Titanium dioxide | X          | X             | X            | -        | X            |

**International Regulations**

| Chemical Name    | Carcinogen Status | Exposure Limits                                                         |
|------------------|-------------------|-------------------------------------------------------------------------|
| Quartz           |                   | Mexico: TWA= 0.1 mg/m <sup>3</sup>                                      |
| Titanium dioxide |                   | Mexico: TWA= 10 mg/m <sup>3</sup><br>Mexico: STEL= 20 mg/m <sup>3</sup> |

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

D2A Very toxic materials



**16. OTHER INFORMATION**

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 28-Apr-2011

**Revision Date**

**Revision Note** Initial Release.

**General Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and it does not purport to be all inclusive and shall be used only as a guide. We urge each customer or recipient of this MSDS to study it carefully to become aware of and understand the potential hazards associated with the product. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Any use of the product not in conformance with this MSDS or in combination with any other product or process is the responsibility of the user. Customary precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Remove all soiled and contaminated clothing immediately.

**End of Safety Data Sheet**