

# Safety Data Sheet



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## 1. Identification

|                             |   |                         |   |
|-----------------------------|---|-------------------------|---|
| <b>Product Name:</b>        | SEMI TSTRS 576PK BULK .25 OZ ORG 403109                               | <b>Revision Date:</b>   | 7/27/2018   |
| <b>Product Identifier:</b>  | 403109031A  | <b>Supersedes Date:</b> | 5/26/2015   |
| <b>Recommended Use:</b>     | Model paint sets / Solvent Based                                      |                         |   |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>615 Buckbee ST<br>Rockford, IL 61104<br>USA | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>615 Buckbee ST<br>Rockford, IL 61104<br>USA |
| <b>Preparer:</b>            | Regulatory Department   |                         |   |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700   |                         |   |

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Warning

### Possible Hazards

17% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|                                   |      |  |
|-----------------------------------|------|--|
| Flammable liquid, category 4      | H227 | Combustible liquid                                   |
| Reproductive Toxicity, category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Skin Irritation, category 2       | H315 | Causes skin irritation.                              |
| Eye Irritation, category 2        | H319 | Causes serious eye irritation.                       |

### GHS LABEL PRECAUTIONARY STATEMENTS

|      |  |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection.                     |

|                |  |
|----------------|--|
| P370+P378      | In case of fire: Use alcohol film forming foam, carbon dioxide, dry chemical, dry sand to extinguish.                            |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |
| P501           | Dispose of contents/container in accordance with local, regional and national regulations.                                       |
| P201           | Obtain special instructions before use.  |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P405           | Store locked up.   |
| P264           | Wash hands thoroughly after handling.  |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P321           | For specific treatment see label   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |

### 3. Composition / Information On Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>                          | <u>CAS-No.</u> | <u>Wt.%<br/>Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-----------------------|--------------------|-----------------------|
| Propylene Glycol Monobutyl Ether              | 5131-66-8      | 10-25                 | GHS07              | H302-315-319          |
| Dipropylene Glycol Monobutyl Ether            | 29911-28-2     | 1.0-2.5               | Not Available      | Not Available         |
| 2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate | 6846-50-0      | 1.0-2.5               | GHS06              | H331                  |
| Amorphous Silica                              | 7631-86-9      | 1.0-2.5               | Not Available      | Not Available         |
| Titanium Dioxide                              | 13463-67-7     | 1.0-2.5               | Not Available      | Not Available         |
| Ethylene Glycol Monobutyl Ether               | 111-76-2       | 0.1-1.0               | GHS07              | H302-312-315-319-332  |
| Diethylene Glycol Monomethyl Ether            | 111-77-3       | 0.1-1.0               | GHS06-GHS08        | H311-361              |

### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, get medical attention.

## 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Avoid excess heat.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name                                 | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|---|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Propylene Glycol Monobutyl Ether              | 5131-66-8  | 15.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Dipropylene Glycol Monobutyl Ether            | 29911-28-2 | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| 2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate | 6846-50-0  | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Amorphous Silica                              | 7631-86-9  | 5.0                   | N.E.              | N.E.               | 50 µg/m3     | N.E.                 |
| Titanium Dioxide                              | 13463-67-7 | 5.0                   | 10 mg/m3          | N.E.               | 15 mg/m3     | N.E.                 |
| Ethylene Glycol Monobutyl Ether               | 111-76-2   | 1.0                   | 20 ppm            | N.E.               | 50 ppm       | N.E.                 |
| Diethylene Glycol Monomethyl Ether            | 111-77-3   | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                     |  |            |
|---------------------------------|---------------------|--|------------|
| <b>Appearance:</b>              | Liquid              | <b>Physical State:</b>                         | Liquid     |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                         | N.E.       |
| <b>Relative Density:</b>        | 1.048               | <b>pH:</b>                                     | N.A.       |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | N.D.       |
| <b>Solubility in Water:</b>     | Slight              | <b>Partition Coefficient, n-octanol/water:</b> | N.D.       |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | 1.1 - 22.7 |
| <b>Boiling Range, °C:</b>       | 100 - 537           | <b>Flash Point, °C:</b>                        | 63         |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                | N.D.       |
| <b>Evaporation Rate:</b>        | Slower than Ether   | <b>Vapor Pressure:</b>                         | N.D.       |
| <b>Vapor Density:</b>           | Heavier than Air    |  |            |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** No Information

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Substance causes moderate eye irritation.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                          | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---|------------------|--------------------|-------------------|
| 5131-66-8      | Propylene Glycol Monobutyl Ether              | 1900 mg/kg Rat   | N.E.               | N.E.              |
| 6846-50-0      | 2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate | >3200 mg/kg Rat  | N.E.               | >5.3 mg/L Rat     |
| 7631-86-9      | Amorphous Silica                              | 7900 mg/kg Rat   | >2000 mg/kg Rabbit | 25 mg/L           |
| 13463-67-7     | Titanium Dioxide                              | >10000 mg/kg Rat | 2500 mg/kg         | N.E.              |
| 111-76-2       | Ethylene Glycol Monobutyl Ether               | 470 mg/kg Rat    | 1,060 mg/kg Rabbit | 11 mg/L           |
| 111-77-3       | Diethylene Glycol Monomethyl Ether            | 4079 mg/kg Rat   | 650 mg/kg Rabbit   | N.E.              |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components.

**13. Disposal Information**

**DISPOSAL INFORMATION:** Do not incinerate closed containers. Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

**14. Transport Information**

|                       | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number:            | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Proper Shipping Name: | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| Hazard Class:         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Packing Group:        | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Limited Quantity:     | No                      | No                          | No                | No                  |

**15. Regulatory Information****U.S. Federal Regulations:****CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Reproductive toxicity, Skin Corrosion or Irritation, Serious eye damage or eye irritation

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u>               | <u>CAS-No.</u> |
|------------------------------------|----------------|
| Ethylene Glycol Monobutyl Ether    | 111-76-2       |
| Diethylene Glycol Monomethyl Ether | 111-77-3       |

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information****HMIS RATINGS**

Health: 2\*      Flammability: 2      Physical Hazard: 0      Personal Protection: X

**NFPA RATINGS**

Health: 2      Flammability: 2      Instability: 0

Volatile Organic Compounds      379 g/L

SDS REVISION DATE:      7/27/2018

**REASON FOR REVISION:**

Revision Description Changed  
Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
01 - Identification  
02 - Hazard Identification  
05 - Fire-fighting Measures  
09 - Physical & Chemical Properties  
15 - Regulatory Information  
16 - Other Information  
Revision Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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