

# Safety Data Sheet



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## 1. Identification

|                             |   |                         |   |
|-----------------------------|---|-------------------------|---|
| <b>Product Name:</b>        | TSTRS 3PK TSPR FLAMING ORANGE LACQUER                                 | <b>Revision Date:</b>   | 3/1/2018  |
| <b>Product Identifier:</b>  | 1840MT  | <b>Supersedes Date:</b> | 5/26/2016   |
| <b>Recommended Use:</b>     | Topcoat/Aerosol   |                         |   |
| <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

Danger

### Possible Hazards

44% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|                                       |      |   |
|---------------------------------------|------|---|
| Flammable Aerosol, category 1         | H222 | Extremely flammable aerosol.                                    |
| Compressed Gas                        | H280 | Contains gas under pressure; may explode if heated.             |
| Germ Cell Mutagenicity, category 1B   | H340 | May cause genetic defects.                                      |
| Carcinogenicity, category 1B          | H350 | May cause cancer.   |
| Reproductive Toxicity, category 2     | H361 | Suspected of damaging fertility or the unborn child.            |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness.                              |
| STOT, repeated exposure, category 1   | H372 | Causes damage to organs through prolonged or repeated exposure. |

|                             |      |                                |
|-----------------------------|------|--------------------------------|
| 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. |
| P211      | Do not spray on an open flame or other ignition source.  |
| P251      | Do not pierce or burn, even after use.   |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.                   |
| P410+P403 | Protect from sunlight. Store in a well-ventilated place.                                       |
| P201      | Obtain special instructions before use.  |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                     |
| P308+P313 | IF EXPOSED OR CONCERNED: Get medical advice/attention.   |
| P405      | Store locked up.   |
| P501      | Dispose of contents/container in accordance with local, regional and national regulations.     |
| P271      | Use only outdoors or in a well-ventilated area.  |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                     |
| P312      | Call a POISON CENTER or doctor/physician if you feel unwell.                                   |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.                               |
| P260      | Do not breathe dust/fume/gas/mist/vapors/spray.  |
| 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.

**GHS SDS PRECAUTIONARY STATEMENTS**

P270

Do not eat, drink or smoke when using this product.

### 3. Composition / Information On Ingredients

**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u>                          | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u>        |
|---|----------------|-------------------|--------------------|------------------------------|
| Propane                                       | 74-98-6        | 10-25             | GHS04              | H280                         |
| n-Butane                                      | 106-97-8       | 10-25             | GHS04              | H280                         |
| Toluene                                       | 108-88-3       | 10-25             | GHS02-GHS07-GHS08  | H225-304-315-332-336-361-373 |
| Ethanol                                       | 64-17-5        | 2.5-10            | GHS02              | H225                         |
| Ethyl Acetate                                 | 141-78-6       | 2.5-10            | GHS02-GHS07        | H225-319-332-336             |
| Propylene Glycol Monobutyl Ether              | 5131-66-8      | 2.5-10            | GHS07              | H302-315-319                 |
| Methyl Ethyl Ketone                           | 78-93-3        | 2.5-10            | GHS02-GHS07        | H225-319-332-336             |
| Acetone                                       | 67-64-1        | 2.5-10            | GHS02-GHS07        | H225-319-332-336             |
| Stoddard Solvent                              | 8052-41-3      | 1.0-2.5           | GHS08              | H304-372                     |
| 1-Methoxy-2-Propyl Acetate                    | 108-65-6       | 1.0-2.5           | GHS02              | H226                         |
| 2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate | 6846-50-0      | 0.1-1.0           | GHS06              | H331                         |
| Butyl Benzyl Phthalate                        | 85-68-7        | 0.1-1.0           | GHS06              | H331                         |
| Nanoscale Titanium Dioxide                    | 1317-80-2      | 0.1-1.0           | Not Available      | Not Available                |
| Ethylbenzene                                  | 100-41-4       | 0.1-1.0           | GHS02-GHS07-GHS08  | H225-304-332-351-373         |
| Solvent Naphtha, Light Aromatic               | 64742-95-6     | 0.1-1.0           | GHS07-GHS08        | H304-332-340-350             |

### 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:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. 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:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. No unusual fire or explosion hazards noted. Keep containers tightly closed.

**SPECIAL FIREFIGHTING PROCEDURES:** Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. 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:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 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:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of flammable aerosols. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. 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 |
|---|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Propane                                       | 74-98-6    | 25.0                  | N.E.              | N.E.               | 1000 ppm     | N.E.                 |
| n-Butane                                      | 106-97-8   | 15.0                  | N.E.              | 1000 ppm           | N.E.         | N.E.                 |
| Toluene                                       | 108-88-3   | 15.0                  | 20 ppm            | N.E.               | 200 ppm      | 300 ppm              |
| Ethanol                                       | 64-17-5    | 10.0                  | N.E.              | 1000 ppm           | 1000 ppm     | N.E.                 |
| Ethyl Acetate                                 | 141-78-6   | 10.0                  | 400 ppm           | N.E.               | 400 ppm      | N.E.                 |
| Propylene Glycol Monobutyl Ether              | 5131-66-8  | 10.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Methyl Ethyl Ketone                           | 78-93-3    | 10.0                  | 200 ppm           | 300 ppm            | 200 ppm      | N.E.                 |
| Acetone                                       | 67-64-1    | 5.0                   | 250 ppm           | 500 ppm            | 1000 ppm     | N.E.                 |
| Stoddard Solvent                              | 8052-41-3  | 5.0                   | 100 ppm           | N.E.               | 500 ppm      | N.E.                 |
| 1-Methoxy-2-Propyl Acetate                    | 108-65-6   | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| 2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate | 6846-50-0  | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Butyl Benzyl Phthalate                        | 85-68-7    | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Nanoscale Titanium Dioxide                    | 1317-80-2  | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Ethylbenzene                                  | 100-41-4   | 1.0                   | 20 ppm            | N.E.               | 100 ppm      | N.E.                 |
| Solvent Naphtha, Light Aromatic               | 64742-95-6 | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use explosion-proof ventilation equipment. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**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. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**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>              | Aerosolized Mist    | <b>Physical State:</b>                              | Liquid     |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                              | N.E.       |
| <b>Relative Density:</b>        | 0.723               | <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/<br/>water:</b> | N.D.       |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                      | 1.1 - 19.0 |
| <b>Boiling Range, °C:</b>       | -37 - 537           | <b>Flash Point, °C:</b>                             | -96        |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                     | N.D.       |
| <b>Evaporation Rate:</b>        | Faster 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:** Avoid temperatures above 120°F (49°C). Avoid all possible sources of ignition.

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

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. 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:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May be absorbed through the skin in harmful amounts. May cause skin irritation. Allergic reactions are possible.

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

**EFFECTS OF OVEREXPOSURE - INGESTION:** Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Overexposure to methyl ethyl ketone in laboratory animals has been associated with liver abnormalities, kidney and lung damage. Fetotoxic/embryotoxic effects from inhalation have been seen in rats exposed to >1000ppm during gestation. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. 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) May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or 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> |
|----------------|---|------------------|---------------------|-------------------|
| 106-97-8       | n-Butane                                      | N.E.             | N.E.                | 658 mg/L Rat      |
| 108-88-3       | Toluene                                       | 2600 mg/kg Rat   | 12000 mg/kg Rabbit  | 12.5 mg/L Rat     |
| 64-17-5        | Ethanol                                       | 7060 mg/kg Rat   | 15,800 mg/kg Rabbit | 30,000 mg/l Rat   |
| 141-78-6       | Ethyl Acetate                                 | 5620 mg/kg Rat   | >18000 mg/kg Rabbit | N.E.              |
| 5131-66-8      | Propylene Glycol Monobutyl Ether              | 1900 mg/kg Rat   | N.E.                | N.E.              |
| 78-93-3        | Methyl Ethyl Ketone                           | 2483 mg/kg Rat   | 5000 mg/kg Rabbit   | N.E.              |
| 67-64-1        | Acetone                                       | 5800 mg/kg Rat   | >15700 mg/kg Rabbit | 50.1 mg/L Rat     |
| 108-65-6       | 1-Methoxy-2-Propyl Acetate                    | 8532 mg/kg Rat   | >5000 mg/kg Rabbit  | N.E.              |
| 6846-50-0      | 2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate | >3200 mg/kg Rat  | N.E.                | >5.3 mg/L Rat     |
| 85-68-7        | Butyl Benzyl Phthalate                        | 2330 mg/kg Rat   | 6700 mg/kg Rat      | >6.7 mg/L Rat     |
| 100-41-4       | Ethylbenzene                                  | 3500 mg/kg Rat   | 15400 mg/kg Rabbit  | 17.4 mg/L Rat     |
| 64742-95-6     | Solvent Naphtha, Light Aromatic               | 8400 mg/kg Rat   | >2000 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. This product as supplied is a USEPA defined ignitable hazardous waste. Dispose of unusable product as a hazardous waste (D001) in accordance with local, state, and federal regulation.

## 14. Transport Information

|                              | <u>Domestic (USDOT)</u>              | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u>                  |
|------------------------------|--------------------------------------|-----------------------------|-------------------|--------------------------------------|
| <b>UN Number:</b>            | N.A.                                 | 1950                        | 1950              | N.A.                                 |
| <b>Proper Shipping Name:</b> | Paint Products in Limited Quantities | Aerosols                    | Aerosols          | Paint Products in Limited Quantities |
| <b>Hazard Class:</b>         | N.A.                                 | 2.1                         | 2.1               | N.A.                                 |
| <b>Packing Group:</b>        | N.A.                                 | N.A.                        | N.A.              | N.A.                                 |
| <b>Limited Quantity:</b>     | Yes                                  | Yes                         | Yes               | Yes                                  |

## 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:

No Information

#### 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> |
|----------------------|----------------|
| Toluene              | 108-88-3       |
| Methyl Ethyl Ketone  | 78-93-3        |
| Ethylbenzene         | 100-41-4       |

**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: 4      Physical Hazard: 0      Personal Protection: X

**NFPA RATINGS**

Health: 2      Flammability: 4      Instability: 0

**SDS REVISION DATE:** 3/1/2018

**REASON FOR REVISION:** Regulatory Formula Source Changed  
 Product Composition Changed  
 Substance and/or Product Properties Changed in Section(s):  
 02 - Hazard Identification  
 05 - Fire-fighting Measures  
 09 - Physical & Chemical Properties  
 15 - Regulatory Information  
 16 - Other Information  
 Statement(s) Changed

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

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.