

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | S FL ORG7 1800 SP FLUO Fluor RedOrg Mark                                       | <b>Revision Date:</b>   | 12/13/2022   |
| <b>Product Identifier:</b>  | VHG 224311   | <b>Supersedes Date:</b> | New SDS  |
| <b>Recommended Use:</b>     | No Information   |                         |  |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
| <b>Preparer:</b>            | Regulatory Department  |                         |  |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700  |                         |  |

## 2. Hazards Identification

### Classification

#### Symbol(s) of Product



#### Signal Word

Danger

#### Possible Hazards

7% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### GHS HAZARD STATEMENTS

|                                     |      |  |
|-------------------------------------|------|--|
| Flammable Liquid, category 2        | H225 | Highly flammable liquid and vapor.                                 |
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects.   |
| Carcinogenicity, category 1B        | H350 | May cause cancer.  |
| STOT, Repeated Exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |

#### GHS LABEL PRECAUTIONARY STATEMENTS

|      |  |
|------|--|
| P201 | Obtain special instructions before use.  |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING. |
| P233 | Keep container tightly closed.   |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray.  |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection.                     |
| P314 | Get medical advice/attention if you feel unwell.   |
| P405 | Store locked up.   |
| P501 | Dispose of contents/container in accordance with local, regional and national regulations.     |

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P308+P313

IF exposed or concerned: Get medical advice/attention.

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.

**GHS SDS PRECAUTIONARY STATEMENTS**

P240

Ground/bond container and receiving equipment.

P241

Use explosion-proof electrical/ventilating/lighting/equipment.

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

**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> |
|--|----------------|-------------------|--------------------|-----------------------|
| Hydrotreated Light Distillate          | 64742-47-8     | 2.5-10            | GHS08              | H304                  |
| Barium Sulfate                         | 7727-43-7      | 2.5-10            | GHS07              | H332                  |
| Naphtha, Petroleum, Hydrotreated Light | 64742-49-0     | 2.5-10            | GHS08              | H304                  |
| Xylenes (o-, m-, p- Isomers)           | 1330-20-7      | 2.5-10            | GHS02-GHS07        | H226-315-319-332      |
| Ethylbenzene                           | 100-41-4       | 1.0-2.5           | GHS02-GHS07-GHS08  | H225-304-332-351-373  |
| Mineral Spirits                        | 64742-88-7     | 0.1-1.0           | GHS08              | H304-372              |
| Aliphatic Hydrocarbon                  | 64742-89-8     | 0.1-1.0           | GHS08              | H304-340-350          |
| Stoddard Solvent                       | 8052-41-3      | 0.1-1.0           | GHS08              | H304-372              |
| Octane                                 | 111-65-9       | 0.1-1.0           | GHS02-GHS07-GHS08  | H225-304-315-336      |
| n-Heptane                              | 142-82-5       | 0.1-1.0           | GHS02-GHS07-GHS08  | H225-304-315-336      |
| Crystalline Silica / Quartz            | 14808-60-7     | 0.1-1.0           | Not Available      | Not Available         |
| Pigment Orange 13                      | 3520-72-7      | 0.1-1.0           | Not Available      | Not Available         |

**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:** Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. 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:** 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. Do not store above 120°F (49°C). Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat. 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.

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

## 8. Exposure Controls / Personal Protection

| Chemical Name                             | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-TWA           | ACGIH TLV-STEL | OSHA PEL-TWA         | OSHA PEL-CEILING |
|---|------------|-----------------------|-------------------------|----------------|----------------------|------------------|
| Hydrotreated Light Distillate             | 64742-47-8 | 10.0                  | N.E.                    | N.E.           | N.E.                 | N.E.             |
| Barium Sulfate                            | 7727-43-7  | 10.0                  | 5 mg/m <sup>3</sup>     | N.E.           | 15 mg/m <sup>3</sup> | N.E.             |
| Naphtha, Petroleum,<br>Hydrotreated Light | 64742-49-0 | 10.0                  | N.E.                    | N.E.           | N.E.                 | N.E.             |
| Xylenes (o-, m-, p- Isomers)              | 1330-20-7  | 5.0                   | 20 ppm                  | N.E.           | 100 ppm              | N.E.             |
| Ethylbenzene                              | 100-41-4   | 5.0                   | 20 ppm                  | N.E.           | 100 ppm              | N.E.             |
| Mineral Spirits                           | 64742-88-7 | 1.0                   | N.E.                    | N.E.           | N.E.                 | N.E.             |
| Aliphatic Hydrocarbon                     | 64742-89-8 | 1.0                   | N.E.                    | N.E.           | N.E.                 | N.E.             |
| Stoddard Solvent                          | 8052-41-3  | 1.0                   | 100 ppm                 | N.E.           | 500 ppm              | N.E.             |
| Octane                                    | 111-65-9   | 1.0                   | 300 ppm                 | N.E.           | 500 ppm              | N.E.             |
| n-Heptane                                 | 142-82-5   | 1.0                   | 400 ppm                 | 500 ppm        | 500 ppm              | N.E.             |
| Crystalline Silica / Quartz               | 14808-60-7 | 1.0                   | 0.025 mg/m <sup>3</sup> | N.E.           | 50 µg/m <sup>3</sup> | N.E.             |
| Pigment Orange 13                         | 3520-72-7  | 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. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

**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>                              | No Information |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                              | N.E.           |
| <b>Specific Gravity:</b>        | 1.101               | <b>pH:</b>  | N.A.           |
| <b>Freeze Point, °C:</b>        | No Information      | <b>Viscosity:</b>                                   | N.D.           |
| <b>Solubility in Water:</b>     | Miscible            | <b>Partition Coefficient, n-octanol/<br/>water:</b> | N.D.           |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                      | 0.9 - 12.6     |
| <b>Boiling Range, °C:</b>       | 100 - 537           | <b>Flash Point, °C:</b>                             | 14             |
| <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>           | No Information      |   |                |

(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:** Causes skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. 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. Constituents of this product include crystalline silica dust which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

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

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B).

**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:

| <b>CAS-No.</b> | <b>Chemical Name</b>                   | <b>Oral LD50</b> | <b>Dermal LD50</b> | <b>Vapor LC50</b> |
|----------------|--|------------------|--------------------|-------------------|
| 64742-47-8     | Hydrotreated Light Distillate          | >5000 mg/kg Rat  | >2000 mg/kg Rabbit | >5000 mg/L Rat    |
| 7727-43-7      | Barium Sulfate                         | 307000 mg/kg Rat | N.E.               | N.E.              |
| 64742-49-0     | Naphtha, Petroleum, Hydrotreated Light | >5000 mg/kg Rat  | >3160 mg/kg Rabbit | >4951 mg/L Rat    |
| 1330-20-7      | Xylenes (o-, m-, p- Isomers)           | 3500 mg/kg Rat   | >4350 mg/kg Rabbit | 29.08 mg/L Rat    |
| 100-41-4       | Ethylbenzene                           | 3500 mg/kg Rat   | 15400 mg/kg Rabbit | 17.4 mg/L Rat     |
| 64742-88-7     | Mineral Spirits                        | 19748 mg/kg Rat  | >4000 mg/kg Rabbit | 4951 mg/L Rat     |
| 64742-89-8     | Aliphatic Hydrocarbon                  | N.E.             | 3000 mg/kg Rabbit  | N.E.              |
| 8052-41-3      | Stoddard Solvent                       | N.E.             | >3000 mg/kg Rabbit | 25                |
| 111-65-9       | Octane                                 | N.E.             | N.E.               | >24.88 mg/L Rat   |
| 142-82-5       | n-Heptane                              | N.E.             | 3000 mg/kg Rabbit  | >73.5 mg/L Rat    |
| 14808-60-7     | Crystalline Silica / Quartz            | 5500 mg/kg Rat   | 5500               | 100 mg/L          |
| 3520-72-7      | Pigment Orange 13                      | 5000 mg/kg Rat   | >2000 mg/kg Rat    | N.E.              |

N.E. - Not Established

## 12. Ecological Information

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

## 13. Disposal Information

**DISPOSAL:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not incinerate closed containers. EPA Hazardous Waste Number (RCRA): D005 (Barium). Dispose of in accordance with U.S. EPA 40 CFR 262 for concentrations at or above the Regulatory level. Regulatory level- 100.0 mg/L.

## 14. Transport Information

|                       | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number:            | N.A.                    | 1263                        | 1263              | N.A.                |
| Proper Shipping Name: | Not Regulated           | Paint                       | Paint             | Not Regulated       |
| Hazard Class:         | N.A.                    | 3                           | 3                 | N.A.                |
| Packing Group:        | N.A.                    | III                         | III               | N.A.                |
| Limited Quantity:     | No                      | Yes                         | Yes               | 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), Carcinogenicity, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

#### 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> |
|------------------------------|----------------|
| Barium Sulfate               | 7727-43-7      |
| Xylenes (o-, m-, p- Isomers) | 1330-20-7      |
| 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.

### U.S. State Regulations:

#### California Proposition 65

#### WARNING:

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

Health: 2\*      Flammability: 3      Physical Hazard: 0      Personal Protection: X

**NFPA RATINGS**

Health: 2      Flammability: 3      Instability: 0

Volatile Organic Compounds: 568 g/L

SDS REVISION DATE: 12/13/2022

REASON FOR REVISION:

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

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.

