

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | MS 511 IMPREGNATOR 4OZ SG  | <b>Revision Date:</b>   | 12/15/2020   |
| <b>Product Identifier:</b>  | 5114OZSG   | <b>Supersedes Date:</b> | 5/13/2019  |
| <b>Recommended Use:</b>     | Penetrating sealer   |                         |  |
| <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

3% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### GHS HAZARD STATEMENTS

|                               |      |   |
|-------------------------------|------|---|
| Flammable liquid, category 4  | H227 | Combustible liquid.                           |
| Carcinogenicity, category 2   | H351 | Suspected of causing cancer.                  |
| Aspiration Hazard, category 1 | H304 | May be fatal if swallowed and enters airways. |
| Skin Irritation, category 2   | H315 | Causes skin irritation.                       |
| Eye Irritation, category 2A   | 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.  |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.                                   |

|                |  |
|----------------|--|
| P331           | Do NOT induce vomiting.  |
| 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.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|--|----------------|-------------------|--------------------|-----------------------|
| Hydrotreated Light Distillate            | 64742-47-8     | 75-100            | GHS08              | H304                  |
| 3-Aminopropyltriethoxysilane             | 919-30-2       | 1.0-2.5           | GHS05-GHS06        | H302-314-331          |
| Xylenes (o-, m-, p- Isomers)             | 1330-20-7      | 1.0-2.5           | GHS02-GHS07        | H226-315-319-332      |
| Naphtha, Hydrotreated Heavy              | 64742-48-9     | 1.0-2.5           | GHS08              | H304                  |
| 2-Propanol                               | 67-63-0        | 1.0-2.5           | GHS02-GHS07        | H225-302-319-336      |
| Ethylbenzene                             | 100-41-4       | 0.1-1.0           | GHS02-GHS07-GHS08  | H225-304-332-351-373  |
| n-Butyl Acetate                          | 123-86-4       | 0.1-1.0           | GHS02-GHS07        | H226-336              |
| Stannane, dioctylbis[(1-oxododecyl)oxy]- | 3648-18-8      | <0.1              | 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:** 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 |
|--|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Hydrotreated Light Distillate            | 64742-47-8 | 90.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| 3-Aminopropyltriethoxysilane             | 919-30-2   | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Xylenes (o-, m-, p- Isomers)             | 1330-20-7  | 5.0                   | 100 ppm           | 150 ppm            | 100 ppm      | N.E.                 |
| Naphtha, Hydrotreated Heavy              | 64742-48-9 | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| 2-Propanol                               | 67-63-0    | 5.0                   | 200 ppm           | 400 ppm            | 400 ppm      | N.E.                 |
| Ethylbenzene                             | 100-41-4   | 1.0                   | 20 ppm            | N.E.               | 100 ppm      | N.E.                 |
| n-Butyl Acetate                          | 123-86-4   | 1.0                   | 50 ppm            | 150 ppm            | 150 ppm      | N.E.                 |
| Stannane, dioctylbis[(1-oxododecyl)oxy]- | 3648-18-8  | 0.1                   | 0.1 mg/m3         | 0.2 mg/m3          | 0.1 mg/m3    | 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>Specific Gravity:</b>        | 0.796               | <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>                      | 0.7 - 17.5 |
| <b>Boiling Range, °C:</b>       | 82 - 537            | <b>Flash Point, °C:</b>                             | 70         |
| <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 alkalies.

**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:** 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). 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> |
|----------------|--|------------------|---------------------|-------------------|
| 64742-47-8     | Hydrotreated Light Distillate            | >5000 mg/kg Rat  | >2000 mg/kg Rabbit  | >5000 mg/L Rat    |
| 919-30-2       | 3-Aminopropyltriethoxysilane             | 1780 mg/kg Rat   | 4290 mg/kg Rabbit   | >7.35 mg/L Rat    |
| 1330-20-7      | Xylenes (o-, m-, p- Isomers)             | 3500 mg/kg Rat   | >4350 mg/kg Rabbit  | 29.08 mg/L Rat    |
| 64742-48-9     | Naphtha, Hydrotreated Heavy              | >6000 mg/kg Rat  | >3160 mg/kg Rabbit  | N.E.              |
| 67-63-0        | 2-Propanol                               | 1870 mg/kg Rat   | 4059 mg/kg Rabbit   | 72.6 mg/L Rat     |
| 100-41-4       | Ethylbenzene                             | 3500 mg/kg Rat   | 15400 mg/kg Rabbit  | 17.4 mg/L Rat     |
| 123-86-4       | n-Butyl Acetate                          | 10768 mg/kg Rat  | >17600 mg/kg Rabbit | > 21 mg/L Rat     |
| 3648-18-8      | Stannane, dioctylbis[(1-oxododecyl)oxy]- | 6450 mg/kg Rat   | N.E.                | 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.

## 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.                    | N.A.                        | N.A.              | N.A.                |
| <b>Proper Shipping Name:</b> | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| <b>Hazard Class:</b>         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Packing Group:</b>        | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Limited Quantity:</b>     | 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), Carcinogenicity, Skin Corrosion or Irritation, Serious eye damage or eye irritation, Aspiration Hazard

### 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> |
|------------------------------|----------------|
| 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: 2      Physical Hazard: 0      Personal Protection: X

### NFPA RATINGS

Health: 2      Flammability: 2      Instability: 0

Volatile Organic Compounds: 741 g/L

SDS REVISION DATE: 12/15/2020

REASON FOR REVISION: Revision Description Changed  
Substance Chemical Name Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
09 - Physical & Chemical Properties  
14 - Transport Information  
16 - Other Information  
Revision Statement(s) Changed

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

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