

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | ENAMEL 1-GL 2PK HD RUST INHIBITIVE PRIMR                                       | <b>Revision Date:</b>   | 4/20/2016  |
| <b>Product Identifier:</b>  | 1069402  | <b>Supersedes Date:</b> | 12/10/2015   |
| <b>Product Use/Class:</b>   | Heavy Duty Rust Inhibitive Primer/<br>Solventborne Alkyd                       |                         |  |
| <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. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

|                                     |      |   |
|-------------------------------------|------|---|
| Flammable Liquid, category 3        | H226 | Flammable liquid and vapor.                                     |
| Skin Sensitizer, category 1         | H317 | May cause an allergic skin reaction.                            |
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects.                                      |
| Carcinogenicity, category 1A        | H350 | May cause cancer.   |
| STOT, repeated exposure, category 1 | H372 | Causes 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. |
| P260      | Do not breathe dust, fumes, gases, mists, vapors, or spray.                                    |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                     |
| P281      | Use personal protective equipment as required.   |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.  |
| P308+P313 | IF exposed or concerned: Get medical advice/attention.   |
| P314      | Get medical advice/attention if you feel unwell.   |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.                               |

### 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.          |
| P270 | Do not eat, drink or smoke when using this product.            |
| P363 | Wash contaminated clothing before reuse.                       |

### 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> |
|-------------------------------|----------------|-------------------|--------------------|-----------------------|
| Hydrous Magnesium Silicate    | 14807-96-6     | 10-25             | Not Available      | Not Available         |
| Hydrotreated Light Distillate | 64742-47-8     | 10-25             | GHS08              | H304                  |
| Mineral Spirits               | 64742-88-7     | 2.5-10            | GHS08              | H304-372              |
| Iron Oxide                    | 1309-37-1      | 2.5-10            | Not Available      | Not Available         |
| Zinc Phosphate                | 7779-90-0      | 2.5-10            | Not Available      | Not Available         |
| Wollastonite                  | 13983-17-0     | 1.0-2.5           | Not Available      | Not Available         |
| Crystalline Silica / Quartz   | 14808-60-7     | 0.1-1.0           | Not Available      | Not Available         |
| Methyl Ethyl Ketoxime         | 96-29-7        | 0.1-1.0           | GHS05-GHS06        | H302-312-317-318-331  |
| Stoddard Solvent              | 8052-41-3      | 0.1-1.0           | GHS08              | H304-340-350-372      |
| Ethylbenzene                  | 100-41-4       | 0.1-1.0           | GHS02-GHS07-GHS08  | H225-304-332-373      |
| Quartz                        | 14808-60-7     | 0.1-1.0           | GHS08              | H350-372              |

### 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. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Combustible liquid and vapor. 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.

## 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. Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations. 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.

## 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 MSDS/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. Do not store above 120 ° F. 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. Keep container closed when not in use. Avoid excess heat.

## 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 |
|-------------------------------|------------|-----------------------|-------------------------|--------------------|----------------------|----------------------|
| Hydrous Magnesium Silicate    | 14807-96-6 | 15.0                  | 2 mg/m <sup>3</sup>     | N.E.               | N.E.                 | N.E.                 |
| Hydrotreated Light Distillate | 64742-47-8 | 15.0                  | N.E.                    | N.E.               | N.E.                 | N.E.                 |
| Mineral Spirits               | 64742-88-7 | 10.0                  | N.E.                    | N.E.               | N.E.                 | N.E.                 |
| Iron Oxide                    | 1309-37-1  | 10.0                  | 5 mg/m <sup>3</sup>     | N.E.               | 10 mg/m <sup>3</sup> | N.E.                 |
| Zinc Phosphate                | 7779-90-0  | 5.0                   | N.E.                    | N.E.               | N.E.                 | N.E.                 |
| Wollastonite                  | 13983-17-0 | 5.0                   | 1 mg/m <sup>3</sup>     | N.E.               | N.E.                 | N.E.                 |
| Crystalline Silica / Quartz   | 14808-60-7 | 1.0                   | 0.025 mg/m <sup>3</sup> | N.E.               | N.E.                 | N.E.                 |
| Methyl Ethyl Ketoxime         | 96-29-7    | 1.0                   | 10 ppm                  | N.E.               | N.E.                 | N.E.                 |
| Stoddard Solvent              | 8052-41-3  | 1.0                   | 100 ppm                 | N.E.               | 500 ppm              | N.E.                 |
| Ethylbenzene                  | 100-41-4   | 1.0                   | 20 ppm                  | N.E.               | 100 ppm              | N.E.                 |
| Quartz                        | 14808-60-7 | 1.0                   | 0.025 mg/m <sup>3</sup> | 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. Use impervious gloves to prevent skin contact and absorption of this material through the skin. 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. Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

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

## 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>        | 1.394               | <b>pH:</b>                                     | N.A.      |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | N.D.      |
| <b>Solubility in Water:</b>     | Negligible          | <b>Partition Coefficient, n-octanol/water:</b> | N.D.      |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | 1.0 - 7.0 |
| <b>Boiling Range, °C:</b>       | 130 - 537           | <b>Flash Point, °C:</b>                        | 39        |
| <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:** Avoid temperatures above 120°F (49°C). Avoid contact with strong acid and strong bases. Avoid all possible sources of ignition.

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

**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 eye irritation. Substance causes moderate eye irritation.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Prolonged or repeated skin contact may cause irritation.

**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. May cause headaches and dizziness. 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. Aspiration hazard if swallowed; can enter lungs and cause damage.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Contains Calcium Silicate (Wollastonite), which is an IARC 3 Agent "unclassifiable as to carcinogenicity to humans" via inhalation. Inhalation exposure to Calcium Silicate is not anticipated through brush application nor normal use. Calcium Silicate is NOT classified as a carcinogen by NIOSH, ACGIH, NTP nor OSHA. 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:

| <u>CAS-No.</u> | <u>Chemical Name</u>          | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|-------------------------------|------------------|--------------------|-------------------|
| 14807-96-6     | Hydrous Magnesium Silicate    | 6000             | N.I.               | 30                |
| 64742-47-8     | Hydrotreated Light Distillate | >5000 mg/kg Rat  | >2000 mg/kg Rabbit | >5000 mg/L Rat    |
| 64742-88-7     | Mineral Spirits               | >5000 mg/kg Rat  | 3000 mg/kg Rabbit  | 4951 mg/L Rat     |
| 1309-37-1      | Iron Oxide                    | >10000 mg/kg Rat | N.I.               | N.I.              |
| 7779-90-0      | Zinc Phosphate                | >5000 mg/kg Rat  | N.I.               | N.I.              |
| 14808-60-7     | Crystalline Silica / Quartz   | 5500 mg/kg Rat   | 5500               | 100 mg/L          |
| 96-29-7        | Methyl Ethyl Ketoxime         | 930 mg/kg Rat    | 1100 mg/kg Rabbit  | >4.8 mg/L Rat     |
| 100-41-4       | Ethylbenzene                  | 3500 mg/kg Rat   | 15400 mg/kg Rabbit | 17.2 mg/L Rat     |
| 14808-60-7     | Quartz                        | 6000 mg/kg       | N.I.               | N.I.              |

N.I. - No Information

## 12. Ecological Information

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

### 13. Disposal Information

**DISPOSAL INFORMATION:** 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> |
|------------------------------|-------------------------|-----------------------------|-------------------|---------------------|
| <b>UN Number:</b>            | N.A.                    | 1263                        | 1263              | N.A.                |
| <b>Proper Shipping Name:</b> | Not Regulated           | Paint                       | Paint             | Not Regulated       |
| <b>Hazard Class:</b>         | N.A.                    | 3                           | 3                 | N.A.                |
| <b>Packing Group:</b>        | N.A.                    | III                         | III               | N.A.                |
| <b>Limited Quantity:</b>     | No                      | Yes, >5L No                 | Yes, >5L 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:

Fire Hazard, Acute Health Hazard, Chronic Health 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> |
|----------------------|----------------|
| Zinc Phosphate       | 7779-90-0      |
| 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:** 3    **Physical Hazard:** 0    **Personal Protection:** X

**NFPA RATINGS**

**Health:** 2    **Flammability:** 2    **Instability:** 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 338

**SDS REVISION DATE:** 4/20/2016

**REASON FOR REVISION:** Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
09 - Physical & Chemical Properties  
Statement(s) Changed

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

Rust-Oleum Corporation 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. Rust-Oleum Corporation 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.