

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | ROHPER 1-GL 2PK HIGH HEAT GP ALUMINUM  | <b>Revision Date:</b>   | 1/27/2016  |
| <b>Product Identifier:</b>  | 286501   | <b>Supercedes Date:</b> | 2/25/2015  |
| <b>Product Use/Class:</b>   | High Temperature Paint/Solventborne  |                         |  |
| <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

### Possible Hazards

42% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|  |      |   |
|--|------|---|
| Flammable Liquid, category 3           | H226 | Flammable liquid and vapor.               |
| Skin Irritation, category 2            | H315 | Causes skin irritation.                   |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.      |
| Eye Irritation, category 2             | H319 | Causes serious eye irritation.            |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.                       |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.         |
| Germ Cell Mutagenicity, category 1B    | H340 | May cause genetic defects.                |
| Carcinogenicity, category 1B           | H350 | May cause cancer.                         |
| Reproductive Toxicity, category 1A     | H360 | May damage fertility or the unborn child. |
| STOT, repeated exposure, category 1    | H372 | Causes damage to organs.                  |

### 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.  |

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313

IF exposed or concerned: Get medical advice/attention.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

P362

Take off contaminated clothing.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

**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> |
|-------------------------------------|----------------|-------------------|--------------------|-----------------------|
| 1-Chloro-4-(Trifluoromethyl)Benzene | 98-56-6        | 25-50             | GHS07              | H315-319-332-335      |
| Hydrotreated Light Distillate       | 64742-47-8     | 10-25             | GHS08              | H304                  |
| Aluminum Flake                      | 7429-90-5      | 10-25             | GHS02              | H228-261              |
| Stoddard Solvent                    | 8052-41-3      | 2.5-10            | GHS08              | H304-372              |
| N-Methyl 2-Pyrrolidone              | 872-50-4       | 0.1-1.0           | GHS06-GHS08        | H315-319-331-335-360  |
| Methyl n-Amyl Ketone                | 110-43-0       | 0.1-1.0           | GHS02-GHS07        | H226-302-332-336      |
| Solvent Naphtha, Light Aromatic     | 64742-95-6     | 0.1-1.0           | GHS07-GHS08        | H304-332-340-350      |
| Methyl Ethyl Ketoxime               | 96-29-7        | 0.1-1.0           | GHS05-GHS06        | H302-312-317-318-331  |

**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.

## 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 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. Avoid excess heat. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials.

## 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 |
|---|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| 1-Chloro-4-(Trifluoromethyl)<br>Benzene | 98-56-6    | 30.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Hydrotreated Light Distillate           | 64742-47-8 | 20.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Aluminum Flake                          | 7429-90-5  | 20.0                  | 1 mg/m3           | N.E.               | 15 mg/m3     | N.E.                 |
| Stoddard Solvent                        | 8052-41-3  | 10.0                  | 100 ppm           | N.E.               | 500 ppm      | N.E.                 |
| N-Methyl 2-Pyrrolidone                  | 872-50-4   | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Methyl n-Amyl Ketone                    | 110-43-0   | 1.0                   | 50 ppm            | N.E.               | 100 ppm      | N.E.                 |
| Solvent Naphtha, Light Aromatic         | 64742-95-6 | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Methyl Ethyl Ketoxime                   | 96-29-7    | 1.0                   | 10 ppm            | 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.

## 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>        | 1.121               | <b>pH:</b>  | N.A.           |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                                   | No Information |
| <b>Solubility in Water:</b>     | Negligible          | <b>Partition Coefficient, n-octanol/<br/>water:</b> | N.D.           |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                      | 0.5 - 10.5     |
| <b>Boiling Range, °C:</b>       | 138 - 204           | <b>Flash Point, °C:</b>                             | 37             |
| <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. Flammable hydrogen gas will evolve when product comes in contact with water or damp air. Heat will be generated. The amount of heat generated will depend upon the volume of material in contact.

**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 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.

**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.

**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> |
|----------------|-------------------------------------|------------------|--------------------|-------------------|
| 98-56-6        | 1-Chloro-4-(Trifluoromethyl)Benzene | 13000 mg/kg Rat  | >2684 mg/kg Rabbit | 33 mg/L Rat       |
| 64742-47-8     | Hydrotreated Light Distillate       | >5000 mg/kg Rat  | >2000 mg/kg Rabbit | >5000 mg/L Rat    |
| 872-50-4       | N-Methyl 2-Pyrrolidone              | 3914 mg/kg Rat   | 8000 mg/kg Rabbit  | 3.1 mg/L Rat      |
| 110-43-0       | Methyl n-Amyl Ketone                | 1600 mg/kg Rat   | 10199 mg/kg Rabbit | N.I.              |
| 64742-95-6     | Solvent Naphtha, Light Aromatic     | 8400 mg/kg Rat   | >2000 mg/kg Rabbit | N.I.              |
| 96-29-7        | Methyl Ethyl Ketoxime               | 930 mg/kg Rat    | 1100 mg/kg Rabbit  | >4.8 mg/L Rat     |

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** 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>                  |
|-----------------------|--------------------------------------|-----------------------------|-------------------|--------------------------------------|
| UN Number:            | N.A.                                 | 1263                        | 1263              | N.A.                                 |
| Proper Shipping Name: | Paint Products in Limited Quantities | Paint                       | Paint             | Paint Products in Limited Quantities |
| Hazard Class:         | N.A.                                 | 3                           | 3                 | N.A.                                 |
| Packing Group:        | N.A.                                 | III                         | III               | N.A.                                 |
| Limited Quantity:     | 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:

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> |
|------------------------|----------------|
| Aluminum Flake         | 7429-90-5      |
| N-Methyl 2-Pyrrolidone | 872-50-4       |

#### 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:

| <u>Chemical Name</u>                | <u>CAS-No.</u> |
|-------------------------------------|----------------|
| 1-Chloro-4-(Trifluoromethyl)Benzene | 98-56-6        |

## 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, g/L: 412

SDS REVISION DATE: 1/27/2016

REASON FOR REVISION: 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  
Statement(s) Changed

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

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