

# Safety Data Sheet



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## 1. Identification

**Product Name:** ROHPER LSPR 6PK GLOSS BRIGHT GALV COMPND  
**Revision Date:** 8/13/2014

**Product Identifier:** V2117838  
**Supersedes Date:** 8/12/2014

**Product Use/Class:** Zinc Rich Galvanizing Compound/  
Aerosols

**Supplier:** Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA  
**Manufacturer:** Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA

**Preparer:** Regulatory Department

**Emergency Telephone:** 24 Hour Hotline: 847-367-7700

## 2. Hazard Identification

**EMERGENCY OVERVIEW:** Harmful if inhaled. Harmful if swallowed. Causes eye irritation. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Use ventilation necessary to keep exposures below recommended exposure limits, if any. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapor Harmful. Causes Eye, Skin, Nose, and Throat Irritation. Contents Under Pressure. May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN.

### Classification

#### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

64% of the mixture consists of ingredient(s) of unknown acute toxicity

### GHS HAZARD STATEMENTS

|  |      |  |
|--|------|--|
| Flammable Aerosol, category 1          | H222 | Extremely flammable aerosol.                       |
| Flammable Liquid, category 1           | H224 | Extremely flammable liquid and vapour.             |
| Flammable Aerosol, category 1          | H280 | Contains gas under pressure; may explode if heated |
| Acute Toxicity, Oral, category 4       | H302 | Harmful if swallowed.                              |
| Acute Toxicity, Oral, category 5       | H303 | May be harmful if swallowed.                       |
| Aspiration Hazard, category 2          | H305 | May be harmful if swallowed and enters airways.    |
| Acute Toxicity, Dermal, category 5     | H313 | May be harmful in contact with skin.               |
| Skin Irritation, category 2            | H315 | Causes skin irritation.                            |
| Eye Irritation, category 2             | H319 | Causes serious eye irritation.                     |
| Eye Irritation, category 2B            | H320 | Causes eye irritation.                             |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.                                |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.                  |
| STOT, single exposure, category 3, NE  | H336 | May cause drowsiness or dizziness.                 |

**GHS PRECAUTIONARY STATEMENTS**

|                |   |
|----------------|---|
| P102           | Keep out of reach of children.  |
| P103           | Read label before use.  |
| P202           | Do not handle until all safety precautions have been read and understood.   |
| P210           | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  |
| P211           | Do not spray on an open flame or other ignition source.   |
| P220           | Keep/Store away from clothing/.../combustible materials.  |
| P234           | Keep only in original container.  |
| P235           | Keep cool.  |
| 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.   |
| P251           | Pressurized container: Do not pierce or burn, even after use.   |
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P262           | Do not get in eyes, on skin, or on clothing.  |
| P264           | Wash ... thoroughly after handling.   |
| P270           | Do not eat, drink or smoke when using this product.   |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P273           | Avoid release to the environment.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P281           | Use personal protective equipment as required.  |
| P285           | In case of inadequate ventilation wear respiratory protection.  |
| P301+P312      | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  |
| P302+P350      | IF ON SKIN: Gently wash with plenty of soap and water.  |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  |
| P304+P340      | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>Specific treatment (see ... on this label). |
| P321           | Rinse mouth.  |
| P330           |   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.  |
| P337+P313      | If eye irritation persists: Get medical advice/attention.   |
| P351           | Rinse cautiously with water for several minutes.  |
| P352           | Wash with plenty of soap and water.   |
| P362           | Take off contaminated clothing and wash before reuse.   |
| P370+P378      | In case of fire: Use ... for extinction.  |
| P374           | Fight fire with normal precautions from a reasonable distance.  |
| P375           | Fight fire remotely due to the risk of explosion.   |
| P402           | Store in a dry place.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.  |
| P403+P235      | Store in a well-ventilated place. Keep cool.  |
| P405           | Store locked up.  |
| P410+P412      | Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.  |
| P501           | Dispose of contents/container to ...  |

**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> |
|-------------------------|----------------|-------------------|--------------------|-----------------------|
| Zinc                    | 7440-66-6      | 25-50             | GHS02              | H228-250-251-260      |
| Toluene                 | 108-88-3       | 10-25             | GHS02-GHS07        | H225-302-332          |
| Liquefied Petroleum Gas | 68476-86-8     | 10-25             |                    |                       |
| Mineral Spirits         | 64742-88-7     | 10-25             | GHS06              | H331                  |

|                                |            |         |             |          |
|--------------------------------|------------|---------|-------------|----------|
| Aluminum Flake                 | 7429-90-5  | 2.5-10  | GHS02       | H228-261 |
| Stoddard Solvents              | 8052-41-3  | 2.5-10  | GHS02       | H224     |
| Solvent Naptha, Light Aromatic | 64742-95-6 | 1.0-2.5 |             |          |
| Ethylbenzene                   | 100-41-4   | 0.1-1.0 | GHS02-GHS07 | H225-332 |

The text for GHS Hazard Statements shown above (if any) is given in the "16. Other Information" section.

#### 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. Keep containers tightly closed. 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.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Full protective equipment including self-contained breathing apparatus should be used. 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. 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 in a well-ventilated area. 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. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Keep away from heat, sparks, flame and sources of ignition. Contents under pressure. Do not expose to heat or store above 120 ° F. 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 |
|-------------------------|------------|-----------------------|-------------------|--------------------|--------------------------|----------------------|
| Zinc                    | 7440-66-6  | 40.0                  | 10 mg/m3 (Dust)   | N.E.               | 15 mg/m3 (Dust)          | N.E.                 |
| Toluene                 | 108-88-3   | 25.0                  | 20 ppm            | N.E.               | 200 ppm                  | 300 ppm              |
| Liquefied Petroleum Gas | 68476-86-8 | 15.0                  | N.E.              | N.E.               | N.E.                     | N.E.                 |
| Mineral Spirits         | 64742-88-7 | 15.0                  | 100 ppm           | N.E.               | 100 ppm                  | N.E.                 |
| Aluminum Flake          | 7429-90-5  | 10.0                  | 1 mg/m3           | N.E.               | 15 mg/m3 [Total<br>Dust] | N.E.                 |
| Stoddard Solvents       | 8052-41-3  | 5.0                   | 100 ppm           | N.E.               | 500 ppm                  | N.E.                 |

|                                |            |     |        |         |         |      |
|--------------------------------|------------|-----|--------|---------|---------|------|
| Solvent Naptha, Light Aromatic | 64742-95-6 | 5.0 | N.E.   | N.E.    | N.E.    | N.E. |
| Ethylbenzene                   | 100-41-4   | 1.0 | 20 ppm | 125 ppm | 100 ppm | N.E. |

## PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. 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.

**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. 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>              | Aerosolized Mist    | <b>Physical State:</b>                         | Liquid         |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                         | N.E.           |
| <b>Relative Density:</b>        | 1.208               | <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> | No Information |
| <b>Decomposition Temp., °C:</b> | No Information      | <b>Explosive Limits, vol%:</b>                 | 0.7 - 9.5      |
| <b>Boiling Range, °C:</b>       | -34 - 400           | <b>Flash Point, °C:</b>                        | -105           |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                | No Information |
| <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. 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:** Substance may cause slight skin irritation. May be absorbed through the skin in harmful amounts. May cause skin irritation. Allergic reactions are possible. Prolonged or repeated contact may cause skin 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. 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. Aspiration hazard if swallowed; can enter lungs and cause damage.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** 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. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain 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:

| <u>CAS-No.</u> | <u>Chemical Name</u>           | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--------------------------------|------------------|--------------------|-------------------|
| 108-88-3       | Toluene                        | 636 mg/kg Rat    | 8390 mg/kg Rabbit  | 12.5 mg/L Rat     |
| 64742-88-7     | Mineral Spirits                | >5000 mg/kg Rat  | 3000 mg/kg Rabbit  | >5.28 mg/L Rat    |
| 64742-95-6     | Solvent Naptha, Light Aromatic | N.I.             | >2000 mg/kg Rabbit | N.I.              |
| 100-41-4       | Ethylbenzene                   | 3500 mg/kg Rat   | 15354 mg/kg Rabbit | 17.2 mg/L Rat     |

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.                                 | 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:

Fire Hazard, Pressure 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                 | 7440-66-6      |
| Toluene              | 108-88-3       |
| Aluminum Flake       | 7429-90-5      |
| 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 components exist in this product.

**Inventory Information**

| <u>Country</u>      | <u>Value</u>   |
|---------------------|----------------|
| USA (TSCA)          | No Information |
| Canada (DSL)        | No Information |
| Mexico(INSQ)        | No Information |
| Europe (EINECS)     | No Information |
| Japan (ENCS)        | No Information |
| Philippines (PICCS) | No Information |
| China (IECSC)       | No Information |
| Australia (AICS)    | No Information |
| Korea (KECI)        | No Information |
| New Zealand (NZIOC) | No Information |

No Information

**CALIFORNIA PROPOSITION 65:**

Warning: This products contains a substance known to the State of California to cause cancer.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Ethylbenzene         | 100-41-4       |

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: This product contains a substance known to the State of California to cause birth defects or other reproductive harm.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Toluene              | 108-88-3       |

**International Regulations:****CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

## 16. Other Information

### HMIS RATINGS

Health: 2\*      Flammability: 4      Physical Hazard: 0      Personal Protection: X

CANADIAN WHMIS CLASS: B2 D2A

### NFPA RATINGS

Health: 2      Flammability: 4      Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 611

MSDS REVISION DATE: 8/13/2014

REASON FOR REVISION: No Information

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

### Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

|      |  |
|------|--|
| H224 | Extremely flammable liquid and vapour.   |
| H225 | Highly flammable liquid and vapour.  |
| H228 | Flammable solid.   |
| H250 | <undefined>  |
| H251 | Self-heating: may catch fire.  |
| H260 | In contact with water releases flammable gases which may ignite spontaneously. |
| H261 | In contact with water releases flammable gases.                                |
| H302 | Harmful if swallowed.  |
| H331 | Toxic if inhaled.  |
| H332 | Harmful if inhaled.  |

### Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS06



GHS07



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.