1. Identification

Product Name: ROHPER 1-GL 2PK ZINC COLD GALV COMPOUND
Revision Date: 9/10/2014

Product Identifier: 206193
Supercedes Date: New SDS

Product Use/Class: Cold Galvanizing Compound/High Performance Epoxy

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: May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Causes eye irritation. Combustible liquid and vapor. Use ventilation necessary to keep exposures below recommended exposure limits, if any.

Classification

Symbol(s) of Product

Signal Word
Danger

GHS HAZARD STATEMENTS
Flammable liquid, category 4 H227 Combustible liquid
Acute Toxicity, Dermal, category 5 H313 May be harmful in contact with skin.
Skin Irritation, category 2 H315 Causes skin 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.
Organic Peroxide, categories C, D H242 Heating may cause a fire.
Aspiration Hazard, category 2 H305 May be harmful if swallowed and enters airways.
Eye Irritation, category 2B H320 Causes eye irritation.

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.
P234 Keep only in original container.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Wash ... thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection.
Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse cautiously with water for several minutes.
Fight fire with normal precautions from a reasonable distance.
Store in a dry place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Specific treatment (see ... on this label).
Wash with plenty of soap and water.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container to ...
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep/Store away from clothing/.../combustible materials.
Store away from other materials.
Store at temperatures not exceeding ...°C/...°F. Keep cool.
 IF ON SKIN: Gently wash with plenty of soap and water.

3. Composition/Information On Ingredients

HAZARDOUS SUBSTANCES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Wt. % Range</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>75-100</td>
<td>GHS02</td>
<td></td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>64742-88-7</td>
<td>2.5-10</td>
<td>GHS06</td>
<td>H331</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>2.5-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td>1.0-2.5</td>
<td>GHS02</td>
<td>H224</td>
</tr>
</tbody>
</table>

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: If swallowed, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, 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.
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 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. Avoid excess heat.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight % Less Than</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH TLV-STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>85.0</td>
<td>10 mg/m³ (Dust)</td>
<td>N.E.</td>
<td>15 mg/m³ (Dust)</td>
<td>N.E.</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>64742-88-7</td>
<td>10.0</td>
<td>100 ppm</td>
<td>N.E.</td>
<td>100 ppm</td>
<td>N.E.</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>5.0</td>
<td>2 mg/m³ (respirable dust)</td>
<td>10 mg/m³ (respirable dust)</td>
<td>5 mg/m³ (respirable dust or fume)</td>
<td>N.E.</td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td>5.0</td>
<td>100 ppm</td>
<td>N.E.</td>
<td>500 ppm</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

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.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
<td>Odor Threshold</td>
<td>N.E.</td>
</tr>
<tr>
<td>Relative Density</td>
<td>3.385</td>
<td>pH</td>
<td>N.A.</td>
</tr>
<tr>
<td>Freeze Point, °C</td>
<td>N.D.</td>
<td>Viscosity</td>
<td>N.D.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Negligible</td>
<td>Partition Coefficient, n-octanol/ water:</td>
<td>No Information</td>
</tr>
<tr>
<td>Decomposition Temp., °C</td>
<td>No Information</td>
<td>Explosive Limits, vol%:</td>
<td>0.7 - 9.5</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>0 - 999</td>
<td>Flash Point, °C</td>
<td>38</td>
</tr>
<tr>
<td>Flammability</td>
<td>Supports Combustion</td>
<td>Auto-ignition Temp., °C:</td>
<td>No Information</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slower than Ether</td>
<td>Vapor Pressure</td>
<td>N.D.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier than air</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(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.

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: 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:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-88-7</td>
<td>Mineral Spirits</td>
<td>&gt;5000 mg/kg Rat</td>
<td>3000 mg/kg Rabbit</td>
<td>&gt;5.28 mg/L Rat</td>
</tr>
<tr>
<td>1314-13-2</td>
<td>Zinc Oxide</td>
<td>&gt;5000 mg/kg Rat</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Domestic (USDOT)</th>
<th>International (IMDG)</th>
<th>Air (IATA)</th>
<th>TDG (Canada)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.A.</td>
<td>1263</td>
<td>1263</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

Proper Shipping Name: Not Regulated

Hazard Class: N.A.

Packing Group: N.A.

Limited Quantity: 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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
</tr>
<tr>
<td>Modified Urea</td>
<td>PROPRIETARY</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Country</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA (TSCA)</td>
<td>No Information</td>
</tr>
<tr>
<td>Canada (DSL)</td>
<td>No Information</td>
</tr>
<tr>
<td>Mexico (INSQ)</td>
<td>No Information</td>
</tr>
<tr>
<td>Europe (EINECS)</td>
<td>No Information</td>
</tr>
<tr>
<td>Japan (ENCS)</td>
<td>No Information</td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td>No Information</td>
</tr>
<tr>
<td>China (IECSC)</td>
<td>No Information</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>No Information</td>
</tr>
<tr>
<td>Korea (KECI)</td>
<td>No Information</td>
</tr>
<tr>
<td>New Zealand (NZIOC)</td>
<td>No Information</td>
</tr>
</tbody>
</table>

No Information

CALIFORNIA PROPOSITION 65:

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

No Proposition 65 Carcinogens exist in this product.

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.

No Proposition 65 Reproductive Toxins exist in this product.

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**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>3*</td>
<td>2</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

**CANADIAN WHMIS CLASS:** B3 D2A

**NFPA RATINGS**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

**VOLATILE ORGANIC COMPOUNDS, g/L:** 361

**MSDS REVISION DATE:** 9/10/2014

**REASON FOR REVISION:** No Information

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

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

- H224: Extremely 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.
- H331: Toxic if inhaled.

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

- GHS02
- GHS06

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.