

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | IC SSPR 6PK FLAT ZINC GALVANIZING<br>COMPND                                    | <b>Revision Date:</b>   | 7/18/2016  |
| <b>Product Identifier:</b>  | 1685830  | <b>Supersedes Date:</b> | 7/21/2015  |
| <b>Product Use/Class:</b>   | Cold Galvanizing/Aerosol   |                         |  |
| <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

66% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|                                     |      |   |
|-------------------------------------|------|---|
| Flammable Aerosol, category 1       | H222 | Extremely flammable aerosol.                                    |
| Compressed Gas                      | H280 | Contains gas under pressure; may explode if heated.             |
| STOT, repeated exposure, category 1 | H372 | Causes damage to organs through prolonged or repeated exposure. |

### GHS LABEL PRECAUTIONARY STATEMENTS

|           |  |
|-----------|--|
| P211      | Do not spray on an open flame or other ignition source.  |
| P251      | Do not pierce or burn, even after use.   |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.                   |
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING. |
| P410+P403 | Protect from sunlight. Store in a well-ventilated place.                                       |
| P260      | Do not breathe dust, fumes, gases, mists, vapors, or spray.                                    |
| P314      | Get medical advice/attention if you feel unwell.   |

### GHS SDS PRECAUTIONARY STATEMENTS

|      |   |
|------|---|
| P270 | Do not eat, drink or smoke when using this product. |
|------|---|

## 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              | Not Available      | Not Available         |
| n-Butyl Acetate               | 123-86-4       | 10-25              | GHS02-GHS07        | H226-336              |
| Propane                       | 74-98-6        | 10-25              | GHS04              | H280                  |
| Hydrotreated Light Distillate | 64742-47-8     | 2.5-10             | GHS08              | H304                  |
| n-Butane                      | 106-97-8       | 2.5-10             | GHS04              | H280                  |
| Xylenes (o-, m-, p- isomers)  | 1330-20-7      | 2.5-10             | GHS02-GHS07        | H226-315-319-332      |
| Zinc Oxide                    | 1314-13-2      | 1.0-2.5            | Not Available      | Not Available         |
| Stoddard Solvent              | 8052-41-3      | 1.0-2.5            | GHS08              | H304-372              |
| Ethylbenzene                  | 100-41-4       | 0.1-1.0            | GHS02-GHS07-GHS08  | H225-304-332-373      |

**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. 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. Keep containers tightly closed.

**SPECIAL FIREFIGHTING PROCEDURES:** Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. 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 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:** 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. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. 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 |
|-------------------------------|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Zinc                          | 7440-66-6  | 50.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| n-Butyl Acetate               | 123-86-4   | 20.0                  | 50 ppm            | 150 ppm            | 150 ppm      | N.E.                 |
| Propane                       | 74-98-6    | 15.0                  | N.E.              | N.E.               | 1000 ppm     | N.E.                 |
| Hydrotreated Light Distillate | 64742-47-8 | 10.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| n-Butane                      | 106-97-8   | 5.0                   | N.E.              | 1000 ppm           | N.E.         | N.E.                 |
| Xylenes (o-, m-, p- isomers)  | 1330-20-7  | 5.0                   | 100 ppm           | 150 ppm            | 100 ppm      | N.E.                 |
| Zinc Oxide                    | 1314-13-2  | 5.0                   | 2 mg/m3           | 10 mg/m3           | 5 mg/m3      | N.E.                 |
| Stoddard Solvent              | 8052-41-3  | 5.0                   | 100 ppm           | N.E.               | 500 ppm      | N.E.                 |
| Ethylbenzene                  | 100-41-4   | 1.0                   | 20 ppm            | N.E.               | 100 ppm      | N.E.                 |

### PERSONAL PROTECTION

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

**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. 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>              | Aerosolized Mist    | <b>Physical State:</b>                              | Liquid    |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                              | N.E.      |
| <b>Relative Density:</b>        | 1.323               | <b>pH:</b>  | N.A.      |
| <b>Freeze Point, °C:</b>        | ND                  | <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>                      | 0.8 - 9.5 |
| <b>Boiling Range, °C:</b>       | -37 - 537           | <b>Flash Point, °C:</b>                             | -96       |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                     | N.D.      |
| <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 (49°C). Avoid all possible sources of ignition. Avoid contact with strong acid and strong bases.

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

**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:** May cause skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** IARC lists Ethylbenzene as a possible human carcinogen (group 2B). 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. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. 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.

**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> |
|----------------|-------------------------------|------------------|---------------------|-------------------|
| 123-86-4       | n-Butyl Acetate               | 10768 mg/kg Rat  | >17600 mg/kg Rabbit | > 21 mg/L Rat     |
| 74-98-6        | Propane                       | N.I.             | N.I.                | 658 mg/L Rat      |
| 64742-47-8     | Hydrotreated Light Distillate | >5000 mg/kg Rat  | >2000 mg/kg Rabbit  | >5000 mg/L Rat    |
| 106-97-8       | n-Butane                      | N.I.             | N.I.                | 658 mg/L Rat      |
| 1330-20-7      | Xylenes (o-, m-, p- isomers)  | 3500 mg/kg Rat   | >4350 mg/kg Rabbit  | 29.08 mg/L Rat    |
| 1314-13-2      | Zinc Oxide                    | >5000 mg/kg Rat  | N.I.                | N.I.              |
| 100-41-4       | Ethylbenzene                  | 3500 mg/kg Rat   | 15400 mg/kg Rabbit  | 17.2 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>                  |
|------------------------------|--------------------------------------|-----------------------------|-------------------|--------------------------------------|
| <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      |
| Xylenes (o-, m-, p- isomers) | 1330-20-7      |
| Zinc Oxide                   | 1314-13-2      |
| 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:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| n-Nonane             | 111-84-2       |

**16. Other Information****HMIS RATINGS**

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

**NFPA RATINGS**

Health: 2    Flammability: 4    Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 612

SDS REVISION DATE: 7/18/2016

REASON FOR REVISION: Regulatory Formula Source Changed  
Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
05 - Fire-fighting Measures  
09 - Physical & Chemical Properties  
16 - Other Information  
Statement(s) Changed

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

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