

# SAFETY DATA SHEET

Sid Harvey item # 4087-03

SDS # Z0390

## 1. Product and Company Identification

|                                      |   |
|--------------------------------------|---|
| <b>Product identifier</b>            | <b>Zinc Rich Cold Galvanizing Spray (4087-03)</b>   |
| <b>Other means of identification</b> | Not available   |
| <b>Recommended use</b>               | Coating   |
| <b>Recommended restrictions</b>      | None known.   |
| <b>Manufacturer</b>                  | Nu-Calgon<br>2008 Altom Court<br>St. Louis, MO 63146 US<br>Phone: 314-469-7000 / 800-554-5499<br>Emergency Phone: 1-800-424-9300 (CHEMTREC) |

## 2. Hazards Identification

|                              |   |                             |
|------------------------------|---|-----------------------------|
| <b>Physical hazards</b>      | Flammable aerosols                                | Category 1                  |
|                              | Gases under pressure                              | Liquefied gas               |
| <b>Health hazards</b>        | Acute toxicity, oral                              | Category 4                  |
|                              | Skin corrosion/irritation                         | Category 2                  |
|                              | Serious eye damage/eye irritation                 | Category 2                  |
|                              | Reproductive toxicity (the unborn child)          | Category 2                  |
|                              | Specific target organ toxicity, single exposure   | Category 3 narcotic effects |
|                              | Specific target organ toxicity, repeated exposure | Category 2                  |
| <b>Environmental hazards</b> | Not classified.                                   |                             |
| <b>OSHA defined hazards</b>  | Not classified.                                   |                             |
| <b>Label elements</b>        |   |                             |



**Signal word** Danger

**Hazard statement**  
 Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Harmful if swallowed.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
 Suspected of damaging the unborn child.

### Precautionary statement

#### Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe gas. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.  
 If on skin: Wash with plenty of water. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.  
 If exposed or concerned: Get medical advice/attention.

#### Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 Store in a well-ventilated place.  
 Keep container tightly closed. Store locked up.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental information**

22% of the mixture consists of component(s) of unknown acute inhalation toxicity. 60% of the mixture consists of component(s) of unknown acute oral toxicity.

### 3. Composition/Information on Ingredients

#### Mixture

| Chemical name                               | Common name and synonyms | CAS number | %     |
|---|--------------------------|------------|-------|
| Butane                                      |                          | 106-97-8   | 15-40 |
| Toluene                                     |                          | 108-88-3   | 15-40 |
| Zinc, elemental                             |                          | 7440-66-6  | 10-30 |
| Propane                                     |                          | 74-98-6    | 7-13  |
| Distillates (petroleum), light hydrotreated |                          | 64742-47-8 | 1-5   |
| Zinc oxide                                  |                          | 1314-13-2  | 0.1-1 |

#### Composition comments

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### 4. First Aid Measures

|   |   |
|---|---|
| <b>Inhalation</b>   | If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.  |
| <b>Skin contact</b>   | If on skin: Wash with plenty of water. Specific treatment (see product label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  |
| <b>Eye contact</b>  | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  |
| <b>Ingestion</b>  | If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause drowsiness or dizziness. May cause redness and pain. Prolonged exposure may cause chronic effects.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Symptoms may be delayed.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. Do not puncture or incinerate container. Do not store at temperatures above 49°C. Keep away from sources of ignition. No smoking. |

### 5. Fire Fighting Measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Powder. Foam. Carbon dioxide. Water Fog.  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out. Firefighters should wear a self-contained breathing apparatus.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters should wear full protective clothing including self contained breathing apparatus.   |
| <b>Fire-fighting equipment/instructions</b>                          | In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.  |
| <b>General fire hazards</b>  | Extremely flammable aerosol.  |
| <b>Hazardous combustion products</b>                                 | May include and are not limited to: Oxides of nitrogen. Oxides of carbon. Oxides of zinc.   |
| <b>Explosion data</b>  |   |
| <b>Sensitivity to mechanical impact</b>                              | Not available.  |
| <b>Sensitivity to static discharge</b>                               | Not available.  |

## 6. Accidental Release Measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing gas. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and Storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only with adequate ventilation. Do not breathe gas. Do not taste or swallow. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children. Keep away from heat, open flames or other sources of ignition.  |

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                 | Type | Value                          | Form   |
|----------------------------|------|--------------------------------|--|
| Propane (CAS 74-98-6)      | PEL  | 1800 mg/m3<br>1000 ppm         |  |
| Zinc oxide (CAS 1314-13-2) | PEL  | 5 mg/m3<br>5 mg/m3<br>15 mg/m3 | Respirable fraction.<br>Fume.<br>Total dust. |

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components             | Type    | Value   |
|------------------------|---------|---------|
| Toluene (CAS 108-88-3) | Ceiling | 300 ppm |
|                        | TWA     | 200 ppm |

#### US. ACGIH Threshold Limit Values

| Components                 | Type | Value    | Form                 |
|----------------------------|------|----------|----------------------|
| Butane (CAS 106-97-8)      | STEL | 1000 ppm |                      |
| Toluene (CAS 108-88-3)     | TWA  | 20 ppm   |                      |
| Zinc oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Respirable fraction. |
|                            | TWA  | 2 mg/m3  | Respirable fraction. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components   | Type | Value                  | Form |
|--|------|------------------------|------|
| Butane (CAS 106-97-8)  | TWA  | 1900 mg/m3<br>800 ppm  |      |
| Distillates (petroleum), light hydrotreated (CAS 64742-47-8) | TWA  | 100 mg/m3              |      |
| Propane (CAS 74-98-6)  | TWA  | 1800 mg/m3<br>1000 ppm |      |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components                 | Type    | Value     | Form  |
|----------------------------|---------|-----------|-------|
| Toluene (CAS 108-88-3)     | STEL    | 560 mg/m3 |       |
|                            |         | 150 ppm   |       |
|                            | TWA     | 375 mg/m3 |       |
|                            |         | 100 ppm   |       |
| Zinc oxide (CAS 1314-13-2) | Ceiling | 15 mg/m3  | Dust. |
|                            | STEL    | 10 mg/m3  | Fume. |
|                            | TWA     | 5 mg/m3   | Fume. |
|                            |         | 5 mg/m3   | Dust. |

**Biological limit values****ACGIH Biological Exposure Indices**

| Components             | Value     | Determinant               | Specimen            | Sampling Time |
|------------------------|-----------|---------------------------|---------------------|---------------|
| Toluene (CAS 108-88-3) | 0.3 mg/g  | o-Cresol, with hydrolysis | Creatinine in urine | *             |
|                        | 0.03 mg/L | Toluene                   | Urine               | *             |
|                        | 0.02 mg/L | Toluene                   | Blood               | *             |

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

**Other**

Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**

Wear positive pressure self-contained breathing apparatus (SCBA). Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**Thermal hazards**

Not applicable.

**General hygiene considerations**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and Chemical Properties**

|   |   |
|---|---|
| <b>Appearance</b>                                   | Aerosol.                                  |
| <b>Physical state</b>                               | Gas.                                      |
| <b>Form</b>   | Spray                                     |
| <b>Color</b>  | Grey / Black                              |
| <b>Odor</b>   | Solvent                                   |
| <b>Odor threshold</b>                               | Not available.                            |
| <b>pH</b>   | Not available.                            |
| <b>Melting point/freezing point</b>                 | Not available.                            |
| <b>Initial boiling point and boiling range</b>      | 228.2 - 231.8 °F (109 - 111 °C) Estimated |
| <b>Pour point</b>                                   | Not available.                            |
| <b>Specific gravity</b>                             | 1.1 - 1.175                               |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                            |
| <b>Flash point</b>                                  | Not available.                            |
| <b>Evaporation rate</b>                             | Not available.                            |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                           |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not available.                            |
| <b>Flammability limit - upper (%)</b>               | Not available.                            |

|                                    |                             |
|------------------------------------|-----------------------------|
| <b>Explosive limit - lower (%)</b> | Not available.              |
| <b>Explosive limit - upper (%)</b> | Not available.              |
| <b>Vapor pressure</b>              | Not available.              |
| <b>Vapor density</b>               | Not available.              |
| <b>Relative density</b>            | Not available.              |
| <b>Solubility(ies)</b>             | Not available. <b>Auto-</b> |
| <b>ignition temperature</b>        | Not available.              |
| <b>Decomposition temperature</b>   | Not available.              |
| <b>Viscosity</b>                   | 300 - 800 cSt               |
| <b>Other information</b>           |                             |
| <b>Heat of combustion</b>          | > 30 kJ/mol                 |

## 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | This product may react with strong oxidizing agents.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.   |
| <b>Conditions to avoid</b>                | Do not mix with other chemicals. Aerosol containers are unstable at temperatures above 49°C (120.2°F). |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Nitrates. Fluorine. Chlorine.   |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of nitrogen. Oxides of carbon. Oxides of zinc.              |

## 11. Toxicological Information

|   |  |                     |
|---|--|---------------------|
| <b>Routes of exposure</b>   | Eye, Skin contact, Inhalation, Ingestion.  |                     |
| <b>Information on likely routes of exposure</b>                                     |  |                     |
| <b>Ingestion</b>  | Harmful if swallowed.  |                     |
| <b>Inhalation</b>   | Prolonged inhalation may be harmful. May cause damage to organs by inhalation. Narcotic effects.   |                     |
| <b>Skin contact</b>   | Causes skin irritation.  |                     |
| <b>Eye contact</b>  | Causes serious eye irritation.   |                     |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. |                     |
| <b>Information on toxicological effects</b>   |  |                     |
| <b>Acute toxicity</b>   | Harmful if swallowed. Narcotic effects.  |                     |
| <b>Components</b>   | <b>Species</b>   | <b>Test Results</b> |
| Butane (CAS 106-97-8)   |  |                     |
| <b>Acute</b>  |  |                     |
| <i>Inhalation</i>   |  |                     |
| LC50  | Mouse  | 680 mg/L, 2 Hours   |
|   | Rat  | 276000 ppm, 4 Hours |
|   |  | 658 mg/l/4h         |
| <i>Oral</i>   |  |                     |
| LD50  | Not available  |                     |
| Distillates (petroleum), light hydrotreated (CAS 64742-47-8)                        |  |                     |
| <b>Acute</b>  |  |                     |
| <i>Dermal</i>   |  |                     |
| LD50  | Rabbit   | > 2000 mg/kg        |
| <i>Inhalation</i>   |  |                     |
| LC50  | Rat  | > 2.8 mg/l/4h       |
| <i>Oral</i>   |  |                     |
| LD50  | Rat  | > 5000 mg/kg        |

| Components                               | Species                        | Test Results  |
|--|--------------------------------|---|
| Propane (CAS 74-98-6)                    |                                |   |
| <b>Acute</b>                             |                                |   |
| <i>Inhalation</i>                        |                                |   |
| LC50                                     | Rat                            | > 1442.8 mg/L, 15 Minutes   |
| <i>Oral</i>                              |                                |   |
| LD50                                     | Not available                  |   |
| Toluene (CAS 108-88-3)                   |                                |   |
| <b>Acute</b>                             |                                |   |
| <i>Dermal</i>                            |                                |   |
| LD50                                     | Rabbit                         | 12196 mg/kg<br>12125 mg/kg<br>8390 mg/kg<br>14.1 ml/kg  |
| <i>Inhalation</i>                        |                                |   |
| LC50                                     | Mouse                          | 7100 mg/L, 4 Hours<br>5320 ppm, 8 Hours<br>400 ppm, 24 Hours  |
|  | Rat                            | 26700 ppm, 1 Hours<br><= 28800 mg/m <sup>3</sup> , 4 Hours<br>12200 ppm, 2 Hours<br>8000 ppm, 4 Hours<br>12.5 mg/l/4h |
| <i>Oral</i>                              |                                |   |
| LD50                                     | Rat                            | > 5580 mg/kg<br>636 mg/kg   |
| Zinc oxide (CAS 1314-13-2)               |                                |   |
| <b>Acute</b>                             |                                |   |
| <i>Inhalation</i>                        |                                |   |
| LC50                                     | Mouse                          | > 5.7 mg/L, 4 Hours<br>2500 mg/m <sup>3</sup>   |
| <i>Oral</i>                              |                                |   |
| LD50                                     | Mouse                          | 7950 mg/kg  |
|  | Rat                            | > 5 g/kg<br>5000 mg/kg  |
| Zinc, elemental (CAS 7440-66-6)          |                                |   |
| <b>Acute</b>                             |                                |   |
| <i>Inhalation</i>                        |                                |   |
| LC50                                     | Not available                  |   |
| <i>Oral</i>                              |                                |   |
| LD50                                     | Rat                            | 630 mg/kg   |
| <b>Skin corrosion/irritation</b>         | Causes skin irritation.        |   |
| <b>Exposure minutes</b>                  | Not available.                 |   |
| <b>Erythema value</b>                    | Not available.                 |   |
| <b>Oedema value</b>                      | Not available.                 |   |
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation. |   |
| <b>Corneal opacity value</b>             | Not available.                 |   |
| <b>Iris lesion value</b>                 | Not available.                 |   |
| <b>Conjunctival reddening value</b>      | Not available.                 |   |
| <b>Conjunctival oedema value</b>         | Not available.                 |   |
| <b>Recover days</b>                      | Not available.                 |   |

**Respiratory or skin sensitization****Respiratory sensitization** Not available.**Skin sensitization** Prolonged or repeated exposure can cause drying, defatting and dermatitis.**Germ cell mutagenicity** Non-hazardous by WHMIS/OSHA criteria.**Mutagenicity** Non-hazardous by WHMIS/OSHA criteria.**Carcinogenicity** Non-hazardous by WHMIS/OSHA criteria.**ACGIH Carcinogens**

Toluene (CAS 108-88-3) A4 Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Toluene (CAS 108-88-3) Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Cadmium (CAS 7440-43-9) Carcinogenic.

Lead (CAS 7439-92-1) Carcinogenic.

**Reproductive toxicity** Suspected of damaging the unborn child.**Teratogenicity** Toluene (benzene, methyl-) has caused fetotoxicity (reduced fetal weight), behavioural effects (effects on learning and memory) and hearing loss (in males). These effects have been observed in the offspring of rats exposed by inhalation to 1200 or 1800 ppm toluene. These effects were observed in the absence of maternal toxicity.**Specific target organ toxicity - single exposure** Narcotic effects.**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure.**Aspiration hazard** Not available.**Chronic effects** Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.**Further information** Not available.**Name of Toxicologically Synergistic Products** Not available.

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**12. Ecological Information**

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**Ecotoxicity** See below**Components****Species****Test Results**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)

**Aquatic**

Fish LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) 2.9 mg/L, 96 hours

Toluene (CAS 108-88-3)

Algae IC50 Algae 433 mg/L, 72 Hours

Crustacea EC50 Daphnia 7.645 mg/L, 48 Hours

**Aquatic**

Crustacea EC50 Water flea (Daphnia magna) 5.46 - 9.83 mg/L, 48 hours

Fish LC50 Coho salmon,silver salmon (Oncorhynchus kisutch) 8.11 mg/L, 96 hours

Zinc oxide (CAS 1314-13-2)

**Aquatic**

Fish LC50 Fathead minnow (Pimephales promelas) 2246 mg/L, 96 hours

Zinc, elemental (CAS 7440-66-6)

Algae IC50 Algae 0.191 mg/L, 72 Hours

Crustacea EC50 Daphnia 0.524 mg/L, 48 Hours

**Aquatic**

Fish LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.56 mg/L, 96 hours

**Persistence and degradability** No data is available on the degradability of this product.**Bioaccumulative potential** No data available.**Mobility in soil** No data available.**Mobility in general** Not available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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**13. Disposal Considerations**

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**Disposal instructions**

Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**US RCRA Hazardous Waste U List: Reference**

Toluene (CAS 108-88-3)

U220

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

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**14. Transport Information**

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**General**

Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.

**U.S. Department of Transportation (DOT)****Basic shipping requirements:**

**UN number** UN1950

**Proper shipping name** Aerosols, flammable, (each not exceeding 1 L capacity)

**Hazard class** Limited Quantity - US

**Special provisions** N82

**Packaging exceptions** 306

**Packaging non bulk** None

**Packaging bulk** None

**Transportation of Dangerous Goods (TDG - Canada)****Basic shipping requirements:**

**UN number** UN1950

**Proper shipping name** AEROSOLS, flammable

**Hazard class** Limited Quantity - Canada

**Special provisions** 80, 107

**DOT; TDG**

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**15. Regulatory Information**

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**Canadian federal regulations**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Canada CEPA Schedule I: Listed substance**

Zinc oxide (CAS 1314-13-2)

Listed.

Zinc, elemental (CAS 7440-66-6)

Listed.

**Canada DSL Challenge Substances: Listed substance**

Butane (CAS 106-97-8)

Listed.

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

Butane (CAS 106-97-8)

1 TONNES



|  |          |
|--|----------|
| Distillates (petroleum), light hydrotreated (CAS 64742-47-8) | 1 TONNES |
| Propane (CAS 74-98-6)  | 1 TONNES |
| Toluene (CAS 108-88-3)                                       | 1 TONNES |

**Canada Priority Substances List (Second List): Listed substance**

|                                 |         |
|---------------------------------|---------|
| Zinc oxide (CAS 1314-13-2)      | Listed. |
| Zinc, elemental (CAS 7440-66-6) | Listed. |

**Canada WHMIS Ingredient Disclosure: Threshold limits**

|                            |     |
|----------------------------|-----|
| Butane (CAS 106-97-8)      | 1 % |
| Toluene (CAS 108-88-3)     | 1 % |
| Zinc oxide (CAS 1314-13-2) | 1 % |

**WHMIS status** Controlled

**WHMIS classification** Class A - Compressed Gas, Class B - Division 5 - Flammable Aerosol, Class D - Division 2A, 2B

**WHMIS labeling**



**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

|                                 |            |
|---------------------------------|------------|
| Toluene (CAS 108-88-3)          | 1.0 %      |
| Zinc oxide (CAS 1314-13-2)      | 1.0 % N982 |
| Zinc, elemental (CAS 7440-66-6) | 1.0 %      |

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

|                                 |              |
|---------------------------------|--------------|
| Toluene (CAS 108-88-3)          | Listed.      |
| Zinc oxide (CAS 1314-13-2)      | Listed. N982 |
| Zinc, elemental (CAS 7440-66-6) | Listed.      |

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US CWA Section 311 Hazardous Substances: Listed substance**

|                        |         |
|------------------------|---------|
| Toluene (CAS 108-88-3) | Listed. |
|------------------------|---------|

**US CWA Section 307(a)(1) Toxic Pollutants: Listed substance**

|                                 |         |
|---------------------------------|---------|
| Toluene (CAS 108-88-3)          | Listed. |
| Zinc oxide (CAS 1314-13-2)      | Listed. |
| Zinc, elemental (CAS 7440-66-6) | Listed. |

**CERCLA Hazardous Substance List (40 CFR 302.4)**

|                                 |         |
|---------------------------------|---------|
| Butane (CAS 106-97-8)           | Listed. |
| Propane (CAS 74-98-6)           | Listed. |
| Toluene (CAS 108-88-3)          | Listed. |
| Zinc oxide (CAS 1314-13-2)      | Listed. |
| Zinc, elemental (CAS 7440-66-6) | Listed. |

**US CAA Section 111 Volatile Organic Compounds: Listed substance**

|                        |         |
|------------------------|---------|
| Toluene (CAS 108-88-3) | Listed. |
|------------------------|---------|

**US CAA Section 112(r) Accidental Release Prevention - Regulated Flammable Substance: Listed substance**

|                       |                                |
|-----------------------|--------------------------------|
| Butane (CAS 106-97-8) | Regulated flammable substance. |
| Propane (CAS 74-98-6) | Regulated flammable substance. |

**US CAA Section 112(r) Accidental Release Prevention: Threshold quantity**

|                       |           |
|-----------------------|-----------|
| Butane (CAS 106-97-8) | 10000 LBS |
| Propane (CAS 74-98-6) | 10000 LBS |

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

|                       |         |
|-----------------------|---------|
| Butane (CAS 106-97-8) | Listed. |
| Propane (CAS 74-98-6) | Listed. |

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

|                        |         |
|------------------------|---------|
| Toluene (CAS 108-88-3) | Listed. |
|------------------------|---------|

**US CAA Section 612 SNAP Program: Listed substance**

|                       |         |
|-----------------------|---------|
| Butane (CAS 106-97-8) | Listed. |
| Propane (CAS 74-98-6) | Listed. |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - Yes
- Pressure Hazard - Yes
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

**SARA 313 (TRI reporting)**

| Chemical name   | CAS number | % by wt. |
|-----------------|------------|----------|
| Toluene         | 108-88-3   | 15-40    |
| Zinc, elemental | 7440-66-6  | 10-30    |

**Other federal regulations**

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

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

**US - California Hazardous Substances (Director's): Listed substance**

Butane (CAS 106-97-8) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Cadmium (CAS 7440-43-9) Listed.  
Lead (CAS 7439-92-1) Listed.  
Toluene (CAS 108-88-3) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Butane (CAS 106-97-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US - Louisiana Spill Reporting: Listed substance**

Butane (CAS 106-97-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US - Michigan Critical Materials Register: Parameter number**

Toluene (CAS 108-88-3) 00108-88-3 Listed.  
Zinc oxide (CAS 1314-13-2) 07440-66-6 Listed.  
Zinc, elemental (CAS 7440-66-6) 07440-66-6 Listed.

**US - Minnesota Haz Subs: Listed substance**

Butane (CAS 106-97-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Butane (CAS 106-97-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US - New York Release Reporting: Hazardous Substances: Listed substance**

Toluene (CAS 108-88-3) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US - North Carolina Toxic Air Pollutants: Listed substance**

Toluene (CAS 108-88-3) Listed.

**US - Pennsylvania RTK - Hazardous Substances: All compounds of this substance are considered environmental hazards**

Zinc, elemental (CAS 7440-66-6) Listed.

**US - Texas Effects Screening Levels: Listed substance**

Butane (CAS 106-97-8) Listed.  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.

Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US - Washington Chemical of High Concern to Children: Listed substance**

Toluene (CAS 108-88-3) Listed.

**US. Massachusetts RTK - Substance List**

Butane (CAS 106-97-8) Listed.  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US. Pennsylvania RTK - Hazardous Substances**

Butane (CAS 106-97-8) Listed.  
Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**US. Rhode Island RTK**

Butane (CAS 106-97-8) Listed.  
Propane (CAS 74-98-6) Listed.  
Toluene (CAS 108-88-3) Listed.  
Zinc oxide (CAS 1314-13-2) Listed.  
Zinc, elemental (CAS 7440-66-6) Listed.

**Inventory status**

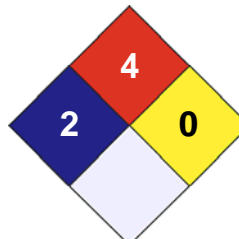
| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |     |
|---------------------|-----|
| HEALTH              | * 2 |
| FLAMMABILITY        | 4   |
| PHYSICAL HAZARD     | 0   |
| PERSONAL PROTECTION | X   |



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Issue date** 19-August-2015

**Effective date** 19-August-2015

**Expiry date** 19-August-2018

**Further information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Prepared by** Nu-Calgon Technical Service Phone: (314) 469-7000

**Other information** This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|   |  |  |                                   |                                  |
|---|--|--|-----------------------------------|----------------------------------|
| <u>Company Name</u><br>Nu-Calgon Wholesaler, Inc.                   | <u>Phone Number</u><br>(314) 469-7000 / (800) 554-5499 |  | <u>CHEMTREC</u><br>(800) 424-9300 |                                  |
| <u>Street Address</u><br>2008 Altom Court                           | <u>City</u><br>St. Louis                               | <u>State</u><br>MO                         | <u>Postal Code</u><br>63146-4151  | <u>Last Update</u><br>3/19/07    |
| <u>Product Name</u><br>Aerosol, Zinc Rich Cold Galvanizing Compound | <u>Product Number</u><br>4087                          | <u>Product Use</u><br>Aerosol Zinc Coating |                                   | <u>EPA Registration #</u><br>N/A |

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>% By Wt.</u> | <u>CAS Number</u> | <u>TLV</u>              | <u>PEL</u>                            |
|------------------------------|-----------------|-------------------|-------------------------|---------------------------------------|
| Propane                      | 13              | 74-98-6           | 2500 ppm                | 1000 ppm                              |
| Butane                       | 12              | 106-97-8          | 800 ppm                 | 800 ppm                               |
| V. M. & P. Naphtha           | 8               | 64742-89-8        | 300 ppm                 | 300 ppm<br>400 ppm STEL               |
| Toluene                      | 4               | 108-88-3          | 50 ppm (Skin)           | 100 ppm (Skin)<br>150 ppm (Skin) STEL |
| Methyl Ethyl Ketone          | 11              | 78-93-3           | 200 ppm<br>300 ppm STEL | 200 ppm<br>300 ppm STEL               |
| Zinc                         | 48              | 7440-66-6         | N/A                     | N/A                                   |

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** ROUTES OF EXPOSURE: INHALATION of vapor or spray mist. EYE or SKIN contact with the product, vapor or spray mist. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### Potential Health Effects

**Eyes:** Irritation.

**Skin:** Prolonged or repeated exposure may cause irritation.

**Ingestion:** No Data.

**Inhalation:** Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**Chronic Exposure:** No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**Carcinogenicity:** No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

**Medical Conditions Aggravated by Exposure:** None generally recognized.

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**Skin:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Inhalation:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** Propellant < 0 F = LEL 0.9 UEL 10.0

**Autoignition Temp:** No Data.°C/No Data.°F

**Hazardous Products of Combustion:** No Data.

**Flammable Limits in Air:** No Data.

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam

**Fire and Explosion Hazards:** Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Special Firefighting Procedures:** Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures.

**Storage Requirements:** Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**Eye Protection:** Wear safety spectacles with unperforated sideshields.

**Protective Clothing:** None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

**Exposure Guidelines:** This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

**Specific Engineering Controls (such as ventilation, enclosed process):** Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using. Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|   |   |  |
|---|---|--|
| <b>Physical Form:</b> Aerosol                 | <b>Freezing Point:</b> No Data.°C/No Data.°F    | <b>% Volatile by Weight:</b> 88%           |
| <b>Color:</b> No Data.                        | <b>Vapor Density [air =1]:</b> Heavier than air | <b>Evaporation Rate:</b> Faster than ether |
| <b>Odor:</b> No Data.                         | <b>Vapor Pressure:</b> No Data.                 | <b>Specific Gravity:</b> 1.16              |
| <b>Boiling Point:</b> <-18 - 162°C/<0 - 325°F | <b>Solubility in Water:</b> No Data.            | <b>pH (concentrate):</b> 7.0               |

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** None known.

**Reactive Conditions to avoid:** None known.

**Decomposition Products:** By fire: Carbon Dioxide, Carbon Monoxide

## SECTION 11 – TOXICOLOGICAL INFORMATION

| <u>Hazardous Ingredients</u> | <u>CAS #</u> | <u>EINECS #</u> | <u>LD 50 of Ingredient</u><br>(Specify Species) | <u>LC50 of Ingredient</u><br>(Specify Species) |
|------------------------------|--------------|-----------------|---|--|
| Propane                      | 74-98-6      |                 | N/A   | N/A  |
| Butane                       | 106-97-8     |                 | N/A   | N/A  |
| V. M. & P. Naphtha           | 64742-89-8   |                 | N/A   | N/A  |
| Toluene                      | 108-88-3     |                 | LD50 RAT 5000 mg/kg                             | LC50 RAT 4HR 4000 ppm                          |
| Methyl Ethyl Ketone          | 78-93-3      |                 | LD50 RAT 2740 mg/kg                             | LC50 RAT 4HR Not Available                     |
| Zinc                         | 7440-66-6    |                 | N/A   | N/A  |

## SECTION 12 – ECOLOGICAL INFORMATION

| <u>Hazardous Ingredients</u> | <u>Aquatic Toxicity Data</u> |
|------------------------------|------------------------------|
| No data available.           |                              |
|                              |                              |
|                              |                              |

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## SECTION 14 – TRANSPORTATION INFORMATION

**Special Shipping Information:** No Data.

| <u>Purview</u>        | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|-----------------------|-----------------------------|------------------|----------------------|---------------------|
| <b>DOT</b><br>(Land)  | Customer Commodity          | None             | None                 | ORM-D               |
| <b>IMO</b><br>(Water) | No Data                     |                  |                      |                     |
| <b>ICAO</b><br>(Air)  | No Data                     |                  |                      |                     |

## SECTION 15 – REGULATORY INFORMATION

|  |   |                                      |              |                 |
|--|---|--------------------------------------|--------------|-----------------|
| <b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)     | No Data.  |                                      |              |                 |
| <b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)                | CAS No.<br>108-88-3   | CHEMICAL/COMPOUND<br>Toluene<br>Zinc | % by WT<br>4 | % Element<br>46 |
| <b>OSHA:</b> (Occupational Safety & Health Administration)                         | No Data.  |                                      |              |                 |
| <b>TSCA:</b> (Toxic Substance Control Act)   | All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.                    |                                      |              |                 |
| <b>VOC:</b> (volatile Organic Compounds)   | Volatile Weight 48.52% Less Water and Federally Exempt Solvents   |                                      |              |                 |
| <b>CPR:</b> (Canadian Controlled Products Regulations)                             | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations. |                                      |              |                 |
| <b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)     | No Data.  |                                      |              |                 |
| <b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List) | No Data.  |                                      |              |                 |
| <b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)               | No Data.  |                                      |              |                 |
| <b>IDL:</b> (Canadian Ingredient Disclosure List)                                  | No Data.  |                                      |              |                 |
| <b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)             | Health Hazard.....: 1<br>Fire Hazard.....: 2<br>Reactivity.....: 0<br>Personal Protection...: X                 |                                      |              |                 |

**SECTION 16 – OTHER INFORMATION**

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.