



## Material Safety Data Sheet

### 1. Chemical Product & Company Data

|   |           |
|---|-----------|
| Product Name: <b>Porcelain Chrome &amp; Coil Cleaner Concentrate</b>  |           |
| Manufacturer:<br><br>Il Rep-Z, Inc.<br>4660 Elizabeth Street<br>Coraopolis, PA 15108<br>Telephone: 1-412-264-8340 | Supplier: |

### 2. Ingredients

| Name  | CAS #     | UN # | % by volume |
|---|-----------|------|-------------|
| Orthophosphoric acid                                | 7664-38-2 |      | 10-30       |
| 1-methoxy-2-propanol                                | 107-98-2  |      | 10-30       |
| Octylphenoxypolyethoxyethanol (nonionic surfactant) | 9036-19-5 |      | 10-30       |

### 3. Hazards Identification

| Emergency Overview  |
|---|
| Corrosive liquid.   |
| NOTE: Hazard information is based on the characteristics of the components of this mixture.<br><br><b>Ingestion</b> - Will cause burns and irritation to the gastrointestinal tract.<br><b>Inhalation</b> - Mist causes irritation of the respiratory tract.<br><b>Eye Contact</b> - Causes severe eye irritation and possible corneal injury due to burns.<br><b>Skin Contact</b> - Contact with the liquid will cause skin burns. |

### 4. First Aid

|   |
|---|
| <b>Ingestion</b> - Give several glasses of water to dilute product. <b>Do not</b> induce vomiting. Seek medical attention..<br><b>Inhalation</b> - Remove to fresh air. If irritation develops or persists seek medical attention.<br><b>Eye Contact</b> - Flush eyes immediately with water for 15 minutes. Seek medical attention.<br><b>Skin Contact</b> - Remove affected clothing. Flush with water for 15 minutes. If irritation develops seek medical attention. |
|---|

## Porcelain Chrome & Coil Cleaner Concentrate

### 5. Fire Fighting Measures

|  |  |   |
|--|--|---|
| Flammability<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  | If yes, under which conditions? Avoid conditions of high ambient heat. |   |
| Flashpoint:<br>200 °F (93.3 °C)  | Upper flammable limit<br>% by volume n. av.                            | Lower flammable limit<br>% by volume n. av. |
| Autoignition temperature<br>n. av.   | Hazardous combustion products<br>Carbon monoxide and/or carbon dioxide | Explosion data<br>n. ap.                    |
| Means of extinction: Apply alcohol type or all purpose foam for large fires. Use dry chemical media or carbon dioxide extinguishers for small fires. SCBA and bunker gear for fire department personnel. |  |   |

### 6. Accidental Release Measures

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| <p>Wear personal protective equipment.</p> <p>Contain spill with absorbent mats or booms or inert materials such as sand. Material should be readily available in the workplace. Do not allow spill to reach watercourse or sewers.</p> <p>Collect and store waste materials in suitable containers for disposal i.e. closed polyethylene drums.</p> <p>Flush area well with water after clean up.</p> |
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### 7. Handling & Storage

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| <p>Wear personal protective equipment.</p> <p>If eye irritation is encountered the use of a full facepiece respirator is recommended.</p> <p>Mechanical ventilation is recommended in enclosed workspaces.</p> <p>Area should be evacuated of all non essential personnel prior to application of product.</p> <p>Store product away from oxidizers, reducing agents, alkalies and chlorinated compounds.</p> <p>Do not store product in metal containers.</p> |
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### 8. Exposure Controls & Personal Protection

| Personal Protective Equipment  |                      |   |         |  |         |
|--------------------------------|----------------------|---|---------|--|---------|
| Gloves<br>Natural Rubber       |                      | Respirator<br>NIOSH TC-23C for organic vapors and-<br>dust/mist prefilter |         | Eye<br>Goggles or full face respirator |         |
| Footwear<br>n. ap.             |                      | Clothing<br>Coveralls or equivalent                                       |         | Other<br>n. ap.                        |         |
| Exposure Guidelines            |                      |   |         |  |         |
| *none established for product* |                      |   |         |  |         |
|                                |                      | OSHA  |         | ACGIH                                  |         |
|                                |                      | TWA   | STEL    | TWA                                    | STEL    |
|                                | Orthophosphoric acid | 1 mg/m³   | 3 mg/m³ | 1 mg/m³                                | 3 mg/m³ |
|                                | 1-methoxy-2-propanol | 100 ppm   | 150 ppm | 100 ppm                                | 150 ppm |

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### 9. Physical and Chemical Properties

|   |   |  |
|---|---|--|
| Physical state<br>Liquid                  | Odor and appearance<br>Amber colored liquid, fruit odor |  |
| Odor threshold (ppm)<br>n. av.            | Vapor pressure (mm Hg)<br>13                            | Vapor density (Air=1)<br>n. av.              |
| Evaporation<br>(butyl acetate = 1) n. av. | Boiling point<br>n. av.                                 | Freezing point<br>n. av.                     |
| pH<br>2.4                                 | Specific gravity<br>1.1                                 | Coefficient water/oil distribution<br>n. av. |
| Solubility in water<br>100%               | Viscosity<br>n. av.                                     | % Volatiles (by weight)<br>n. av.            |

### 10. Stability and Reactivity

|  |  |  |
|--|--|--|
| Chemical Stability<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                    | If no, under which conditions?   |  |
| Incompatibility with other substances<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | If yes, under which conditions? Avoid contact with alkaline materials. |  |
| Reactivity, and under what conditions?   | Stable under normal conditions.  |  |
| Hazardous decomposition products?  | Carbon monoxide and/or carbon dioxide as combustion by-products.       |  |

### 11. Toxicological Information

|  |                     |                      |                                |
|--|---------------------|----------------------|--------------------------------|
| Route of Entry<br>Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> |                     |                      |                                |
| No toxicity studies have been conducted for the product.<br>Orthophosphoric Acid (85%) LD50 (rat, oral) 3500 mg/kg LD50 (rat, oral) 1260 mg/kg<br>1-methoxy-2-propanol LD50 (rat, oral) 5660 mg/kg   |                     |                      |                                |
| Carcinogenicity<br>No  | Mutagenicity<br>No  | Teratogenicity<br>No | Reproductive toxicity<br>No    |
| Synergistic products<br>No   | Sensitization<br>No | Neurotoxicity<br>No  | Target organs<br>Eyes and Skin |

### 12. Ecological Information

|   |
|---|
| Octylphenoxyethoxyethanol (CAS # 9036-19-5) Aquatic effects 96 hr. Fathead Minnow LC50 8.9mg./L |
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## Porcelain Chrome & Coil Cleaner Concentrate

### 13. Disposal Considerations

Do not dispose of product in storm or sanitary sewer systems.  
Do not allow discharge into groundwater or a watercourse.  
If product is to be disposed of, contact a licensed or registered waste disposal firm to incinerate the product.

### 14. Transport Information

Shipping Name:  
Hazard Class:  
UN Identification #:  
US Domestic Shipments up to 5 Liters (1.3 gallons) per bottle  
Consumer Commodity ORM-D for ground shipments  
Consumer Commodity ORM-D-AIR for air shipments

### 15. Regulatory Information

This material safety data sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Act (Can.) and the Controlled Products Regulations (Can.) This product has been classified in accordance with the hazard criteria of the CPR (Can.) and the MSDS contains all the information required by the CPR (Can.).

This product is classed as a **corrosive** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **E**

This product is not subject to the reporting requirement of Section 313 of Title III of Superfund Amendments and Reauthorization Act (SARA) 1986 and 40 CFR part 372.

### 16. Other Information

This product is a commercial cleaning compound.

For chemical emergency during transportation call INFOTRAC (US) **1-800-535-5053** (INT'L) **1-352-323-3500**

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#### Abbreviations:

n. av. = not available  
mm Hg = millimeters of Mercury  
COC = Cleveland Open Cup  
LD = Lethal Dose

n. ap. = not applicable  
PMCC = Pensky Martens Closed Cup  
TWA = Time Weighted Average  
LC = Lethal Concentration

ppm = parts per million  
TCC = Tagliabue Closed Cup  
STEL = Short Term Exposure Limit  
CS = centistokes