1. Product And Company Identification

Product Name: Red Silver Conductor
Manufactured for: Equalizer Industries, Inc.
2611 Oakmont Drive
Round Rock, TX 78665
Information Phone: 1-800-334-1334
Trade Name: Red Silver Conductor
Code: TGR677
Validation Date: 08-19-15
In Case Of An Emergency:
Emergency Telephone: INFOTRAC 1-800-535-5053
Outside the U.S. Call collect: 1-352-323-3500
Product Type: Liquid.

2. Hazards Identification

Emergency Overview
Physical State: Liquid.
Color: Red/Silver
GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Flammable liquids (Category 3), H226
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Central nervous system H336

GHS Label elements, including precautionary statements:
Pictogram(s): Warning
Signal Word: H226 Flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
Hazard Statement(s):
P210 Keep away from heat/sparks/open flames/hot surfaces - no smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilatin/lighting/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
Precautionary Statement(s): P264 Wash skin thoroughly after handling
Hazard Not Otherwise Classified (HNOC) or covered by GHS:

3. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver (Metallic)</td>
<td>7740-22-4</td>
<td>45 - 75</td>
</tr>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>108-65-6</td>
<td>5 - 20</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>5 - 20</td>
</tr>
<tr>
<td>Azo Pigment</td>
<td>2786-76-7</td>
<td>1 - 15</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation:
Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion:
Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of First-Aiders:
No action shall be taken involving any personal risk or without suitable
training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5. Fire-Fighting Measures

**Flammability of the Product:** Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Extinguishing Media**
- **Suitable:** Use dry chemical, CO₂, water spray (fog), or foam.
- **Not Suitable:** Do not use water jet.

**Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Hazardous Thermal Decomposition Products:** Decomposition products may include the following materials:
- silver/silver oxides, carbon oxides

**Special Protective Equipment for Fire-Fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental Release Measures

**Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways soil or air).

### 6. Accidental Release Measures

**Methods for Cleaning Up**

**Small Spill:** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large Spill:
Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

Handling:
Put on appropriate personal protective equipment (see Section 8). Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting, and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by ground and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage:
Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>ACGIH TLV (United States, 3/2012). TWA: 0.1 mg/m³ 8 hours. Form: Dust and fumes NIOSH REL (United States, 1/2013). Notes: as Ag TWA: 0.01 mg/m³, (as Ag) 10 hours. Form: METAL DUST AND</td>
</tr>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>USA. Workplace Environmental Exposure Levels (WEEL)</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>TWA: 50 ppm</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV (United States, 3/2012).</td>
</tr>
<tr>
<td></td>
<td>TWA: 500 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 750 ppm</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (United States, 1/2013).</td>
</tr>
<tr>
<td></td>
<td>TWA: 590 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA: 250 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA (Table Z-1 Limits for Air Contaminants)</td>
</tr>
<tr>
<td></td>
<td>TWA: 2,400 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA: 1,000 ppm</td>
</tr>
</tbody>
</table>

**Recommended Monitoring Procedures:**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Engineering Measures:**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Hygiene Measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal Protection**

**Respiratory:**

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Eyes:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following
Skin:

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical And Chemical Properties

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point:</td>
<td>-16.99 °C (1.42 °F) - closed cup</td>
</tr>
<tr>
<td>Color:</td>
<td>Red Silver</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Boiling/Condensation Point:</td>
<td>56 °C (133 °F) @ 1,013 hPa (760 mm Hg) - lit.</td>
</tr>
<tr>
<td>Relative Density:</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>533.3 hPa (400.0 mmHg) @ 39.5 °C (103.1 °F)</td>
</tr>
<tr>
<td></td>
<td>245.3 hPa (184.0 mmHg) @ 20.0 °C (68.0 °F)</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>No data available</td>
</tr>
<tr>
<td>Volatility:</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. Stability And Reactivity

Chemical Stability: The product is stable under recommended storage conditions.

Conditions to Avoid: Avoid all possible sources of heat or ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible Materials: Reactive or incompatible with the following materials:
- Oxidizing agents, strong acids and strong bases, reducing agents.
- Acetone reacts violently with phosphorous oxychloride

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicology Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
</table>

Page 6 of 11
silver | LD50 Oral | Rat | > 5,000 mg/kg | -
Propylene Glycol Methyl Ether Acetate | LD50 Oral | Rat | 8,532 mg/kg | -
Acetone | LD50 Dermal | Rat | > 2,000 mg/kg | -
Acetone | LD50 Oral | Rat | 5,800 mg/kg | -
| LC50 Inhalation | Rat | 50,100 mg/m³ | 8 hrs
LD50 Dermal | Guinea Pig | 7,426 mg/kg | -

Conclusion/Summary: Not available

Chronic Toxicity
Conclusion/Summary: Not available

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eye - Irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary: Not available

Sensitizer
Conclusion/Summary: Not available

Carcinogenicity
Conclusion/Summary: Not available

Classification

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
<th>ACGIH</th>
<th>EPA</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>silver</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>None.</td>
</tr>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>None.</td>
</tr>
<tr>
<td>Acetone</td>
<td>This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mutagenicity
Conclusion/Summary: Not available

Teratogenicity
Conclusion/Summary: Not available

Reproductive Toxicity
Conclusion/Summary: Not available

12. Ecological Information

Ecotoxicity:
No known significant effects or critical hazards.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>LC50 100-180 mg/l</td>
<td>Fish - Salmo gairdneri</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>EC50 &gt; 500 mg/l</td>
<td>Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 5,540 mg/l</td>
<td>Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 8,800 mg/l</td>
<td>Daphnia magna</td>
<td>48 hours</td>
</tr>
</tbody>
</table>

Conclusion/Summary: Not available

Persistence/ Degradability
<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Value</th>
<th>Result</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>Biodegradability Biotic/Aerobic Biochemical Oxygen Demand (BOD) Chemical Oxygen Demand (COD) Biodegradability</td>
<td>83% Readily Biodegradable 0.36 mg/l 1.74 mg/g 91% Readily Biodegradable</td>
<td>28 days - -</td>
</tr>
<tr>
<td>Acetone</td>
<td></td>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

**Conclusion/Summary:** Not available

**Other Adverse Effects:** No known significant effects or critical hazards.

### 13. Disposal Considerations

**Waste Disposal:**

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CTNROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

### 14. Transport Information

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>1263</td>
<td>Paint.</td>
<td>3</td>
<td>II</td>
<td></td>
<td>Limited quantity</td>
</tr>
<tr>
<td>TDG Classification</td>
<td>-</td>
<td>Consumer</td>
<td>3</td>
<td>II</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Mexico Classification</td>
<td>Consumer commodity ORM-D</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------</td>
<td>---</td>
<td>----</td>
<td>----</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADR/RID Class</td>
<td>1263 Paint.</td>
<td>3</td>
<td>II</td>
<td>Tunnel Code (D/E)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG Class</td>
<td>1263 Painting-related materials. (Acetone)</td>
<td>3</td>
<td>II</td>
<td>EMS-No: F-E, S-D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IATA-DGR Class</td>
<td>1263 Paint.</td>
<td>3</td>
<td>II</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PG*: Packing Group

**15. Regulatory Information**

**SARA 302 Components:**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components:**
The following components are subject to reporting levels established by SARA Title III, Section 313: Silver CAS No. 7440-22-4
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA 311/312 Hazards:**
Silver CAS No. 7440-22-4
Acetone CAS No. 67-64-1

**Massachusetts Right To Know Components:**
Silver CAS No. 7440-22-4
Propylene Glycol Methyl Ether Acetate CAS No. 108-65-6
Acetone CAS No. 67-64-1

**Pennsylvania Right To Know Components:**
Silver CAS No. 7440-22-4
Propylene Glycol Methyl Ether Acetate CAS No. 108-65-6
Acetone CAS No. 67-64-1

**New Jersey Right To Know Components:**
Silver CAS No. 7440-22-4
Propylene Glycol Methyl Ether Acetate CAS No. 108-65-6
Acetone CAS No. 67-64-1

**California Prop. 65 Components:**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. Other Information**
Label Requirements: FLAMMABLE LIQUID AND VAPOR. MAY CAUSE EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

Hazardous Material Information System (U.S.A.):

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.):

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Date of Printing: 09-11-15
Date of Issue: 09-11-15
Date of Previous Issue: No previous validation
Version: 1
Prepared By: Not available.

Indicates information that has changed from previously issued version.

Notice To Reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.