1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier
Product Name Consolideck® ColorHard Bronze

Other means of identification
Product Code(s) 46470

Recommended use of the chemical and restrictions on use
Recommended use Restricted to professional users.
Uses advised against No information available

Details of the supplier of the safety data sheet
Manufacturer Address
PROSOCO, Inc.
3741 Greenway Circle
Lawrence, Kansas 66046

Emergency telephone number
8:00 AM – 5:00 PM CST Monday-Friday 785-865-4200
NON-BUSINESS HOURS (INFOTRAC) 800-535-5053

2. HAZARDS IDENTIFICATION

Classification
Specific target organ toxicity (repeated exposure) Category 2

Label elements

Warning

Hazard statements
May cause damage to organs through prolonged or repeated exposure

Appearance bronze Physical state Liquid Odor Slight

Precautionary Statements - Prevention
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response
Get medical advice/attention if you feel unwell

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information
• May be harmful if swallowed
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>15 - 40</td>
<td>*</td>
</tr>
<tr>
<td>Iron Oxide (black)</td>
<td>1317-61-9</td>
<td>10 - 30</td>
<td>*</td>
</tr>
<tr>
<td>Iron Oxide (red)</td>
<td>1309-37-1</td>
<td>10 - 30</td>
<td>*</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>107-21-1</td>
<td>1 - 5</td>
<td>*</td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>7631-86-9</td>
<td>1 - 5</td>
<td>*</td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice
If symptoms persist, call a physician.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact
Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation
Remove to fresh air. If symptoms persist, call a physician.

Ingestion
Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Call a physician or poison control center immediately.

Self-protection of the first aider
Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms
May be harmful if swallowed. May cause irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
No information available.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment as required. Avoid contact with eyes and skin.

Environmental precautions

Environmental precautions
Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep out of the reach of children. Keep in a dry, cool and well-ventilated place.

Incompatible materials
Incompatible with strong acids and bases. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide (red)</td>
<td>TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 10 mg/m³ fume</td>
<td>IDLH: 2500 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td>1309-37-1</td>
<td></td>
<td>TWA: 15 mg/m³ total dust</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 5 mg/m³ respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 10 mg/m³ fume</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and total dust</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 5 mg/m³ respirable fraction regulated under Rouge</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>Ceiling: 100 mg/m³ aerosol only</td>
<td>(vacated) Ceiling: 50 ppm</td>
<td>IDLH: 3000 mg/m³</td>
</tr>
<tr>
<td>107-21-1</td>
<td></td>
<td>(vacated) Ceiling: 125 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>(vacated) TWA: 6 mg/m³ &lt;1% Crystalline silica</td>
<td>NIOSH IDLH 3000 mg/m³</td>
<td></td>
</tr>
<tr>
<td>7631-86-9</td>
<td>TWA: 20 mppcf (80)/(% SiO2) mg/m³ TWA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Other information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls
None under normal use conditions.

Individual protection measures, such as personal protective equipment
Eye/face protection  Wear safety glasses with side shields (or goggles).

Skin and body protection  Gloves.

Respiratory protection  If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations  Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>bronze</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>bronze</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No info available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>9</td>
<td>ph Range 8-10</td>
</tr>
<tr>
<td>Melting point / freezing point °F</td>
<td>0 °C / 32 °F</td>
<td>No info available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.852</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No info available</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No info available</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity  No data available

Chemical stability  Stable under recommended storage conditions.

Possibility of hazardous reactions  None under normal processing.

Conditions to avoid  None known based on information supplied.

Incompatible materials  Incompatible with strong acids and bases. Strong oxidizing agents.

Hazardous decomposition products  None under normal use conditions.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

May be harmful if swallowed. May cause irritation.

Inhalation

Avoid breathing vapors or mists.

Eye contact

Avoid contact with eyes. May cause irritation.

Skin Contact

Avoid contact with skin. May cause irritation.

Ingestion

Do not taste or swallow. May be harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LD50/Oral</th>
<th>LD50/Dermal</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>&gt; 90 mL/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7732-18-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide (black)</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1317-61-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide (red)</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1309-37-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>= 4000 mg/kg (Rat)</td>
<td>= 9530 µL/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>107-21-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 2.2 mg/L (Rat) 1 h</td>
</tr>
<tr>
<td>7631-86-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

May cause irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Target organ effects

kidney, central nervous system, liver.

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4617 mg/kg
ATEmix (dermal) 106245 mg/kg mg/l
ATEmix (inhalation-dust/mist) 55 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol</td>
<td>6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96 h Lepomis macrochirus mg/L</td>
<td>-</td>
<td>46300: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>107-21-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
46470 Consolideck® ColorHard Bronze

**LC50 static 400761: 96 h**

*Oncorhynchus mykiss* mg/L

**LC50 static 40000 - 60000: 96 h**

*Pimephales promelas* mg/L

**LC50 static 8000: 96 h**

*Poecilia reticulata* mg/L

---

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol</td>
<td>-1.93</td>
</tr>
</tbody>
</table>

---

**Other adverse effects**

No information available

---

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container.

---

### 14. TRANSPORT INFORMATION

**DOT**

Not Regulated for all modes of transportation.

---

### 15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
</tbody>
</table>

**Legend:**

- **TSCA**: United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL**: Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
Chemical name | CAS No. | Weight-% | SARA 313 - Threshold Values %
--- | --- | --- | ---
Ethylene Glycol - 107-21-1 | 107-21-1 | 1 - 5 | 1.0

SARA 311/312 Hazard Categories
- Acute health hazard: Yes
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide (red) 1309-37-1</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Glycol 107-21-1</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Silicon Dioxide 7631-86-9</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards 2</th>
<th>Flammability 0</th>
<th>Instability 0</th>
<th>Physical and chemical properties -</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health hazards 2</td>
<td>Flammability 0</td>
<td>Physical hazards 0</td>
<td>Personal protection X</td>
</tr>
</tbody>
</table>

Prepared By: Regulatory Department
Issuing Date: 12-Dec-2014
Revision date: 29-Aug-2018
Revision Note: SDS sections updated 2 4 6 7 8 11 15

Disclaimer
The information contained on the Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. PROSOCO, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

End of Safety Data Sheet