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

Product identifier
Product Name Consolideck® ColorHard Espresso

Other means of identification
Product Code(s) 46455

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 colored Liquid
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**

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>Iron Oxide (black)</td>
<td>1317-61-9</td>
<td>30 - 60</td>
<td>*</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>15 - 40</td>
<td>*</td>
</tr>
<tr>
<td>Iron Oxide (yellow)</td>
<td>51274-00-1</td>
<td>10 - 30</td>
<td>*</td>
</tr>
<tr>
<td>Iron Oxide (red)</td>
<td>1309-37-1</td>
<td>5 - 10</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 plenty of water for at least 15 minutes. 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 containers tightly closed in a cool, 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>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 10 mg/m³ fume</td>
<td>total dust</td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 5 mg/m³ total dust</td>
<td>fume</td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 5 mg/m³ respirable fraction</td>
<td>represented under Rouge</td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 10 mg/m³ fume</td>
<td></td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 5 mg/m³ total dust</td>
<td></td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 5 mg/m³ respirable fraction</td>
<td></td>
<td>TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>Ceiling: 100 mg/m³ aerosol only</td>
<td>(vacated) Ceiling: 50 ppm</td>
<td></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%</td>
<td>TWA: 20 mppcf</td>
<td>IDLH: 3000 mg/m³</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>Crystalline silica</td>
<td></td>
<td>TWA: 6 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA: 20 mppcf</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  Wear protective gloves and protective clothing.

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  When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

### 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>colored Liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>dark brown</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td>ph Range 8-10</td>
</tr>
<tr>
<td>pH</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point °F</td>
<td>0 °C / 32 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.892</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 information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No information 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
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. May be harmful if inhaled.

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>Iron Oxide (black)</td>
<td>&gt; 10000 mg/kg ( Rat )</td>
<td>&gt; 90 mL/kg ( Rat )</td>
<td></td>
</tr>
<tr>
<td>1317-61-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<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 (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 be harmful if swallowed. 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
central nervous system, liver, kidney.

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) 5234 mg/kg
ATEmix (dermal) 104312 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</td>
<td></td>
<td></td>
<td>46300: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>107-21-1</td>
<td>Pseudokirchneriella</td>
<td>41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>subcapitata mg/L EC50</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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
TSCA Complies
DSL/NDSL Complies

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol - 107-21-1</td>
<td>107-21-1</td>
<td>1 - 5</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol - 107-21-1</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

**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>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Glycol - 107-21-1</td>
<td>X</td>
<td>X</td>
<td>X</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**

**NFPA**

- Health hazards: 2
- Flammability: 0
- Instability: 0
- Physical and chemical properties: -

**HMIS**

- Health hazards: 2
- Flammability: 0
- Physical hazards: 0
- Personal protection: X

Prepared By: Regulatory Department
Issuing Date: 15-Dec-2014
Revision date: 04-Sep-2018
Revision Note: SDS sections updated 2 4 5 6 7 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