SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:

Issuing Date 03-Dec-2019  Revision Date: 17-Jan-2020  Revision Number: 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name  ROSCO OFF BROADWAY COPPER
Product Code  RF5386
Alternate Product Code  XY5194
Product Class  Water thinned paint
Color  Copper
Recommended use  Paint
Restrictions on use  No information available

Roscolab Limited
Blanchard Works
Kangley Bridge Road
Sydenham
London SE26 5AQ
Phone: +44 (0) 20 8659 2300 (Monday - Friday, 9 am to 5 pm GMT)
Email: info.emea@rosco.com

Rosco Laboratories Inc.
52 Harbor View Avenue
Stamford, CT 06902, USA
Phone: (203)-708-8900
www.rosco.com

Emergency Telephone
CHEMTREC: +1-703-741-5970
CHEMTREC (United Kingdom Local Number): +44-870-8200418

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

2.2. Label elements

Product Identifier
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)
EUH208 - Contains (1,2-Benzisothiazolin-3-one). May produce an allergic reaction
2.3. Other hazards

General Hazards  No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EINECS/ELINCS No.</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, mica</td>
<td>-</td>
<td>12001-26-2</td>
<td>&gt;=5 - &lt;10</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Iron oxide</td>
<td>215-168-2</td>
<td>1309-37-1</td>
<td>&gt;=1 - &lt;5</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>200-338-0</td>
<td>57-55-6</td>
<td>&gt;=1 - &lt;5</td>
<td>Not available</td>
<td>01-2119456809-23-0224</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>220-120-9</td>
<td>2634-33-5</td>
<td>&gt;=0.01 - &lt; 0.05</td>
<td>Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Description of first aid measures

General Advice  No hazards which require special first aid measures.

Eye Contact  Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact  Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

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

Ingestion  Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects  May cause allergic skin reaction.
4.3. Indication of any immediate medical attention and special treatment needed

Notes To Physician Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

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

**Unsuitable Extinguishing Media**
No information available.

#### 5.2. Special hazards arising from the substance or mixture

**Specific Hazards Arising From The Chemical**
Closed containers may rupture if exposed to fire or extreme heat.

**Sensitivity to static discharge**
No

**Sensitivity to mechanical impact**
No

#### 5.3. Advice for firefighters

**Protective equipment and precautions for firefighters**
Wear self-contained breathing apparatus and protective suit.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal Precautions**
Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Other Information**
Observe all relevant local and international regulations.

#### 6.2. Environmental precautions

**Environmental precautions**
Prevent spreading of vapors through sewers, ventilation systems and confined areas.

#### 6.3. Methods and material for containment and cleaning up

**Methods for Containment**
Absorb with inert material and place in suitable container for disposal.

**Methods for Cleaning Up**
Clean contaminated surface thoroughly.

#### 6.4. Reference to other sections

**Other information**
See Section 12 for additional information.

### Section 7: HANDLING AND STORAGE
7.1. Precautions for safe handling

Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene Measures
Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage
Keep container tightly closed. Keep out of the reach of children.

7.3. Specific end use(s)

Specific Uses
Architectural coating. Apply as directed. Refer to product label / literature for specific instructions.

Risk Management Methods (RMM)
Not Applicable.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>European Union</th>
<th>Belgium</th>
<th>Bulgaria</th>
<th>Cyprus</th>
<th>France</th>
<th>Ireland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, mica</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 3 mg/m³</td>
</tr>
<tr>
<td>12001-26-2</td>
<td></td>
<td></td>
<td>TWA: 3.0 mg/m³</td>
<td></td>
<td></td>
<td>STEL: 9 mg/m³</td>
</tr>
<tr>
<td>Iron oxide</td>
<td></td>
<td></td>
<td>TWA: 3.0 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>1309-37-1</td>
<td></td>
<td></td>
<td>TWA: 6.0 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 150 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 470 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 1410 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 30 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 1422</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Germany</td>
<td>Greece</td>
<td>Hungary</td>
<td>Iceland</td>
<td>Italy</td>
<td>Latvia</td>
</tr>
<tr>
<td>Iron oxide</td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
<td>3.5 mg/m³</td>
<td>TWA: 6 mg/m³</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>1309-37-1</td>
<td></td>
<td></td>
<td>STEL: 10 mg/m³</td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 30 mg/m³</td>
<td>TWA: 4 mg/m³</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 7 mg/m³</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Lithuania</td>
<td>Netherlands</td>
<td>Poland</td>
<td>Romania</td>
<td>Spain</td>
<td>Sweden</td>
</tr>
<tr>
<td>Silica, mica</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>12001-26-2</td>
<td></td>
<td></td>
<td>TWA: 3.5 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 3 mg/m³</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>TWA: 3.5 mg/m³</td>
<td></td>
<td>STEL: 10 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>1309-37-1</td>
<td></td>
<td>STEL: 5 mg/m³</td>
<td>TWA: 5 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 3.5 mg/m³</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>TWA: 7 mg/m³</td>
<td></td>
<td>TWA: 100 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 150 ppm</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 474 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
<td></td>
<td></td>
<td>TWA: 1422</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, mica</td>
<td></td>
</tr>
<tr>
<td>12001-26-2</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>1309-37-1</td>
<td>STEL: 10 mg/m³</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>STEL: 10 mg/m³</td>
</tr>
<tr>
<td>57-55-6</td>
<td>STEL: 10 mg/m³</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Occupational exposure controls**

**Engineering Measures**
Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Respiratory Protection**
In case of insufficient ventilation wear suitable respiratory equipment.

**Eye Protection**
Safety glasses with side-shields.

**Skin Protection**
Lightweight protective clothing.

**Hand protection**
Impervious gloves.

**Hygiene Measures**
Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

---

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. 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>Appearance</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>little or no odor</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Density (g/L)</td>
<td>1102 - 1150</td>
<td>None known</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.10 - 1.15</td>
<td>None known</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Viscosity (cps)</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Wt. % Solids</td>
<td>35 - 45</td>
<td>None known</td>
</tr>
<tr>
<td>Vol. % Solids</td>
<td>25 - 35</td>
<td>None known</td>
</tr>
<tr>
<td>Wt. % Volatiles</td>
<td>55 - 65</td>
<td>None known</td>
</tr>
<tr>
<td>Vol. % Volatiles</td>
<td>65 - 75</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>100</td>
<td>None known</td>
</tr>
<tr>
<td>Freezing Point (°C)</td>
<td>0</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Pour Point</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition Temperature (°C)</td>
<td>No information available</td>
<td>None known</td>
</tr>
</tbody>
</table>
Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reactivity
Not Applicable.

10.2. Chemical stability
Chemical Stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
None under normal conditions of use.

10.4. Conditions to avoid
Conditions to avoid
Prevent from freezing.

10.5. Incompatible materials
Incompatible Materials
No materials to be especially mentioned.

10.6. Hazardous decomposition products
Hazardous Decomposition Products
None under normal conditions of use.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Product Information

Inhalation
There is no data available for this product.

Eye contact
There is no data available for this product.

Skin contact
May cause sensitization of susceptible persons.

Ingestion
There is no data available for this product.

Acute Toxicity

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide 1309-37-1</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>≤ 20 g/kg (Rat)</td>
<td>= 20800 mg/kg (Rabbit)</td>
<td></td>
</tr>
</tbody>
</table>
Skin corrosion/irritation  No information available.
Eye damage/irritation  No information available.
Sensitization  May cause an allergic skin reaction.
Mutagenic Effects  No information available.
Carcinogenic effects  No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive Effects  No information available.
Developmental Effects  No information available.
STOT - single exposure  No information available.
STOT - repeated exposure  No information available.
Neurological Effects  No information available.
Target organ effects  No information available.
Symptoms  No information available.
Aspiration Hazard  No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity
The environmental impact of this product has not been fully investigated.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide</td>
<td></td>
<td>LC50: =100000mg/L (96h, Danio rerio)</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)</td>
<td>LC50 41 - 47 mL/L Oncorhynchus mykiss (96 h)</td>
<td>EC50 &gt; 10000 mg/L (48 h) EC50 &gt; 10000 mg/L (24 h)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 = 710 mg/L Pimephales promelas (96 h)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 = 51600 mg/L Oncorhynchus mykiss (96 h)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 = 51400 mg/L Pimephales promelas (96 h)</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
Persistence / Degradability  No information available.

12.3. Bioaccumulative potential
Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>1.3</td>
</tr>
<tr>
<td>2634-33-5</td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

Mobility in soil
No information available.

Mobility in Environmental Media
No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment
No information available.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide 1309-37-1</td>
<td>The substance is not PBT / vPvB PBT assessment does not apply</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>The substance is not PBT / vPvB PBT assessment does not apply</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>2634-33-5</td>
<td></td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

Other adverse effects
No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products
Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated Packaging
Empty containers should be taken for local recycling, recovery or waste disposal.

EWC waste disposal No
No information available

Other Information
Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG
Not regulated

RID
Not regulated

ADR
Not regulated

ADN
Not regulated

IATA
Not regulated
Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Occupational Illnesses (R-463-3, France)**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>French RG number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, mica</td>
<td>RG 25</td>
</tr>
<tr>
<td>12001-26-2</td>
<td></td>
</tr>
<tr>
<td>Iron oxide</td>
<td>RG 44,RG 44bis,RG 94</td>
</tr>
<tr>
<td>1309-37-1</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>RG 84</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>RG 65</td>
</tr>
<tr>
<td>2634-33-5</td>
<td></td>
</tr>
</tbody>
</table>

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

- **AICS**: No - Not all of the components are listed.
- **DSL**: Canada - Yes - All components are listed or exempt.
- **EINECS**: European Union - No - Not all of the components are listed.
- **ENCS**: No - Not all of the components are listed.
- **IECSC**: No - Not all of the components are listed.
- **KECL (Annex 1)**: No - Not all of the components are listed.
- **PICCS**: No - Not all of the components are listed.
- **TSCA**: United States - Yes - All components are listed or exempt.

**Legend**

- **AICS** - Australian Inventory of Chemical Substances
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **IECSC** - China Inventory of Existing Chemical Substances
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

15.2. Chemical safety assessment

**Chemical Safety Report**

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

- **H302** - Harmful if swallowed
- **H315** - Causes skin irritation
- **H317** - May cause an allergic skin reaction
- **H318** - Causes serious eye damage
- **H400** - Very toxic to aquatic life
**Classification procedure:**  
Expert judgment and weight of evidence determination

**Key literature references and sources for data:**  
Data from internal and external sources

**Prepared By**  
Product Stewardship Department  
Rosco Laboratories Inc.  
52 Harbor View Avenue  
Stamford, CT 06902, USA  
Phone: (203)-708-8900

**Issuing Date**  
03-Dec-2019

**Revision Date:**  
17-Jan-2020

**Revision Summary**  
Change to Format

**Disclaimer**  
The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

*End of Safety Data Sheet*