



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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

**Product Name** ROSCO OFF BROADWAY GOLD  
**Product Code** RF5384  
**Alternate Product Code** XY5195  
**Product Class** Water thinned paint  
**Color** Gold  
**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*

<b>Acute aquatic toxicity</b>	Category 1 - (H400)
<b>Chronic aquatic toxicity</b>	Category 1 - (H410)

#### 2.2. Label elements

**Product Identifier**

**Signal word**

Warning

**Hazard statements**

H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P273 - Avoid release to the environment

P391 - Collect spillage

P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other hazards****General Hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	EINECS/ELINCS No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Copper	231-159-6	7440-50-8	>=10 - <15	Not available	Not available
Zinc	231-175-3	7440-66-6	>=1 - <5	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Pyr. Sol. 1 (H250) Water-react. 1 (H260)	Not available
Propylene glycol	200-338-0	57-55-6	>=1 - <5	Not available	01-2119456809-23-02 24

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.

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<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	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** None known.

#### **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

Chemical name	European Union	Belgium	Bulgaria	Cyprus	France	Ireland	
Copper 7440-50-8	-	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> TWA: 1.0 mg/m <sup>3</sup>	-	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup>	
Propylene glycol 57-55-6	-	-	-	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 150 ppm TWA: 470 mg/m <sup>3</sup> STEL: 1410 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 450 ppm	
Chemical name	Germany	Greece	Hungary	Iceland	Italy	Latvia	
Copper 7440-50-8	-	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	STEL: 4 mg/m <sup>3</sup> STEL: 0.4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	1.0 mg/m <sup>3</sup> TWA 0.1 mg/m <sup>3</sup> TWA	-	TWA: 0.5 mg/m <sup>3</sup> STEL: 1 mg/m <sup>3</sup>	
Propylene glycol 57-55-6	-	-	-	-	-	TWA: 7 mg/m <sup>3</sup>	
Chemical name	Lithuania	Netherlands	Poland	Romania	Spain	Sweden	United

							Kingdom
Copper 7440-50-8	TWA: 1 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TLV: 0.01 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>
Propylene glycol 57-55-6	TWA: 7 mg/m <sup>3</sup>	-	TWA: 100 mg/m <sup>3</sup>	-	-	-	TWA: 150 ppm TWA: 474 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> STEL: 450 ppm STEL: 1422 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>

**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**

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available

Property	Values	Remarks/ Method
Density (g/L)	1186 - 1234	None known
Relative Density	1.18 - 1.23	None known
pH	No information available	None known
Viscosity (cps)	No information available	None known
Solubility(ies)	No information available	None known
Water solubility	No information available	None known
Evaporation Rate	No information available	None known
Vapor pressure	No information available	None known
Vapor density	No information available	None known
Wt. % Solids	30 - 40	None known
Vol. % Solids	15 - 25	None known
Wt. % Volatiles	60 - 70	None known
Vol. % Volatiles	75 - 85	None known
Boiling Point (°C)	100	None known

Freezing Point (°C)	0	None known
Melting Point (°C)	No information available	None known
Pour Point	No information available	None known
Flash Point (°C)	Not applicable	None known
Flammability (solid, gas)	No information available	None known
Upper flammability limit:	No information available	None known
Lower flammability limit:	No information available	None known
Autoignition Temperature (°C)	No information available	None known
Decomposition Temperature (°C)	No information available	None known
Partition coefficient	No information available	None known
Explosive properties	No information available	None known
Oxidizing Properties	No information available	None known

## 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 There is no data available for this product.

Ingestion There is no data available for this product.

#### Acute Toxicity

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc 7440-66-6	= 630 mg/kg ( Rat )		
Propylene glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	

<b>Skin corrosion/irritation</b>	No information available.
<b>Eye damage/irritation</b>	No information available.
<b>Sensitization</b>	No sensitizing effects known.
<b>Mutagenic Effects</b>	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.

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

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Very toxic to aquatic life with long lasting effects

Chemical name	Algae/aquatic plants	Fish	Crustacea
Copper 7440-50-8	EC50: 0.031 - 0.054mg/L (96h, Pseudokirchneriella subcapitata) EC50: 0.0426 - 0.0535mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 0.0068 - 0.0156mg/L (96h, Pimephales promelas) LC50: <0.3mg/L (96h, Pimephales promelas) LC50: =0.052mg/L (96h, Oncorhynchus mykiss) LC50: =0.112mg/L (96h, Poecilia reticulata) LC50: =0.2mg/L (96h, Pimephales promelas) LC50: =0.3mg/L (96h, Cyprinus carpio) LC50: =0.8mg/L (96h, Cyprinus	EC50: =0.03mg/L (48h, Daphnia magna)

		carpio) LC50: =1.25mg/L (96h, Lepomis macrochirus)	
Zinc 7440-66-6	EC50: 0.09 - 0.125mg/L (72h, Pseudokirchneriella subcapitata) EC50: 0.11 - 0.271mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 0.211 - 0.269mg/L (96h, Pimephales promelas) LC50: 2.16 - 3.05mg/L (96h, Pimephales promelas) LC50: =0.24mg/L (96h, Oncorhynchus mykiss) LC50: =0.41mg/L (96h, Oncorhynchus mykiss) LC50: =0.45mg/L (96h, Cyprinus carpio) LC50: =0.59mg/L (96h, Oncorhynchus mykiss) LC50: =2.66mg/L (96h, Pimephales promelas) LC50: =3.5mg/L (96h, Lepomis macrochirus) LC50: =30mg/L (96h, Cyprinus carpio) LC50: =7.8mg/L (96h, Cyprinus carpio)	EC50: 0.139 - 0.908mg/L (48h, Daphnia magna)
Propylene glycol 57-55-6	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50 41 - 47 mL/L Oncorhynchus mykiss (96 h) LC50 = 710 mg/L Pimephales promelas (96 h) LC50 = 51600 mg/L Oncorhynchus mykiss (96 h) LC50 = 51400 mg/L Pimephales promelas (96 h)	EC50 > 1000 mg/L (48 h) EC50 > 10000 mg/L (24 h)

**12.2. Persistence and degradability**

**Persistence / Degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** No information available.

**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.

Chemical name	PBT and vPvB assessment
Copper 7440-50-8	The substance is not PBT / vPvB PBT assessment does not apply
Zinc 7440-66-6	The substance is not PBT / vPvB PBT assessment does not apply
Propylene glycol 57-55-6	The substance is not PBT / vPvB PBT assessment does not apply

**12.6. Other adverse effects**

**Other adverse effects** No information available

**Section 13: DISPOSAL CONSIDERATIONS**



**13.1. Waste treatment methods**

<b>Waste from Residues/Unused Products</b>	Dispose of in accordance with the European Directives on waste and hazardous waste.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.
<b>EWC waste disposal No</b>	No information available
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORT INFORMATION****IMDG**

<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Transport hazard class(es)</b>	9
<b>UN number</b>	UN3082
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-F
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Copper, Zinc), 9, III, Marine Pollutant

**RID**

<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Transport hazard class(es)</b>	9
<b>UN-No.</b>	UN3082
<b>Packing group</b>	III
<b>Classification Code</b>	M6
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Copper, Zinc), 9, III
<b>Labels</b>	9

**ADR**

<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Transport hazard class(es)</b>	9
<b>UN number</b>	UN3082
<b>Packing group</b>	III
<b>Classification Code</b>	M6
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Copper, Zinc), 9, III
<b>Labels</b>	9

**ADN**

<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Transport hazard class(es)</b>	9
<b>UN-No.</b>	UN3082
<b>Packing group</b>	III

<b>Classification Code</b>	M6
<b>Special Provisions</b>	274, 335, 375, 601
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper, Zinc), 9, III
<b>Hazard label(s)</b>	9
<b>Equipment Requirements</b>	PP

**IATA**

<b>UN number</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Transport hazard class(es)</b>	9
<b>Packing group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Copper, Zinc), 9, III

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Zinc 7440-66-6	RG 61
Propylene glycol 57-55-6	RG 84

**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**

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

**Legend**

**AICS** - Australian Inventory of Chemical Substances  
**DSL/NDL** - 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**

H250 - Catches fire spontaneously if exposed to air

H260 - In contact with water releases flammable gases which may ignite spontaneously

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

**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**

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**Revision Summary**

Change to Format

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**End of Safety Data Sheet**