



## 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

Issuing Date 23-Jan-2020

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Revision Number: 1

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

<b>Product Name</b>	<b>ROSCO OFF BROADWAY ULTRAMARINE BLUE</b>
<b>Product Code</b>	<b>RF5359</b>
<b>Alternate Product Code</b>	XY5110
<b>Product Class</b>	Water thinned paint
<b>Color</b>	Blue
<b>Recommended use</b>	Paint
<b>Restrictions on use</b>	No information available

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### Section 2: HAZARDS IDENTIFICATION

#### **2.1. Classification of the substance or mixture**

*Regulation (EC) No 1272/2008*

<b>Specific target organ toxicity (repeated exposure)</b>	Category 2 - (H373)
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#### **2.2. Label elements**

**Product Identifier**



Contains Cristobalite

**Signal word**

Warning

**Hazard statements**

H373 - May cause damage to organs through prolonged or repeated exposure

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

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/container to industrial incineration 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
Cristobalite	238-455-4	14464-46-1	>=1 - <5	STOT RE 1 (H372)	Not available
Diatomaceous silica, flux-calcined	272-489-0	68855-54-9	>=1 - <5	STOT RE 2 (H373)	Not available
Propylene glycol	200-338-0	57-55-6	>=1 - <5	Not available	01-2119456809-23-0224
Titanium dioxide	236-675-5	13463-67-7	>=0.5 - <1	Not available	01-2119489379-17-0168
Aluminum oxide	215-691-6	1344-28-1	>=0.1 - <0.3	Not available	Not available
Distillates, petroleum, solvent-refined heavy paraffinic	265-090-8	64741-88-4	>=0.1 - <0.3	Repr. 2 (H361) STOT RE 1 (H372) Asp. Tox 1 (H304)	Not available
Iron oxide	215-168-2	1309-37-1	>=0.1 - <0.3	Not available	Not available

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

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.	SVHC candidates
Polyethylene glycol octylphenol ether	9002-93-1	Listed

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Description of first aid measures

<b>General Advice</b>	No hazards which require special first aid measures.
<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

<b>Most Important Symptoms/Effects</b>	None known.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes To Physician</b>	Treat symptomatically.
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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available.

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

<b>Specific Hazards Arising From The Chemical</b>	Closed containers may rupture if exposed to fire or extreme heat.
<b>Sensitivity to static discharge</b>	No
<b>Sensitivity to mechanical impact</b>	No

### 5.3. Advice for firefighters

<b>Protective equipment and precautions for firefighters</b>	Wear self-contained breathing apparatus and protective suit.
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## Section 6: ACCIDENTAL RELEASE MEASURES

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

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
<b>Other Information</b>	Observe all relevant local and international regulations.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Prevent spreading of vapors through sewers, ventilation systems and confined areas.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Absorb with inert material and place in suitable container for disposal.
<b>Methods for Cleaning Up</b>	Clean contaminated surface thoroughly.

### 6.4. Reference to other sections

<b>Other information</b>	See Section 12 for additional information.
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## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hygiene Measures</b>	Wash thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage</b>	Keep container tightly closed. Keep out of the reach of children.
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### 7.3. Specific end use(s)

<b>Specific Uses</b>	Architectural coating. Apply as directed. Refer to product label / literature for specific instructions.
<b>Risk Management Methods (RMM)</b>	Not Applicable.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical name	European Union	Belgium	Bulgaria	Cyprus	France	Ireland
Cristobalite 14464-46-1	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.07 mg/m <sup>3</sup>	-	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup>
Diatomaceous silica,	-	-	-	-	-	TWA: 1.2 mg/m <sup>3</sup>

flux-calcined 68855-54-9							STEL: 3.6 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
<b>Chemical name</b>	<b>Germany</b>	<b>Greece</b>	<b>Hungary</b>	<b>Iceland</b>	<b>Italy</b>	<b>Latvia</b>	
Cristobalite 14464-46-1	-	-	TWA: 0.15 mg/m <sup>3</sup>	0.15 mg/m <sup>3</sup> TWA 0.05 mg/m <sup>3</sup> TWA	-	-	-
Diatomaceous silica, flux-calcined 68855-54-9	TWA: 0.3 mg/m <sup>3</sup>	-	-	1.5 mg/m <sup>3</sup> TWA	-	-	-
Propylene glycol 57-55-6	-	-	-	-	-	-	TWA: 7 mg/m <sup>3</sup>
<b>Chemical name</b>	<b>Lithuania</b>	<b>Netherlands</b>	<b>Poland</b>	<b>Romania</b>	<b>Spain</b>	<b>Sweden</b>	<b>United Kingdom</b>
Cristobalite 14464-46-1	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.075 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TLV: 0.05 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
Diatomaceous silica, flux-calcined 68855-54-9	-	-	TWA: 2 mg/m <sup>3</sup> TWA: 1 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

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
Density (g/L)	1342 - 1390	None known
Relative Density	1.34 - 1.39	
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	50 - 60	None known
Vol. % Solids	35 - 45	None known
Wt. % Volatiles	40 - 50	None known
Vol. % Volatiles	55 - 65	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

<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

#### Acute Toxicity

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )		
Aluminum oxide 1344-28-1	> 5000 mg/kg ( Rat )		
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5530 mg/m <sup>3</sup> ( Rat ) 4 h
Iron oxide 1309-37-1	> 10000 mg/kg ( Rat )		

<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

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union	IARC
Cristobalite 14464-46-1		1 - Human Carcinogen
Titanium dioxide 13463-67-7		2B - Possible Human Carcinogen

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.
- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**

IARC - International Agency for Research on Cancer

<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>	Causes damage to organs through prolonged or repeated exposure if inhaled.
<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**

The environmental impact of this product has not been fully investigated

Chemical name	Algae/aquatic plants	Fish	Crustacea
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)
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Iron oxide 1309-37-1		LC50: =100000mg/L (96h, Danio rerio)	

**12.2. Persistence and degradability**

**Persistence / Degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**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
Diatomaceous silica, flux-calcined 68855-54-9	PBT assessment does not apply
Propylene glycol 57-55-6	The substance is not PBT / vPvB PBT assessment does not apply
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
Aluminum oxide 1344-28-1	The substance is not PBT / vPvB PBT assessment does not apply
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4	The substance is not PBT / vPvB
Iron oxide 1309-37-1	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**

<b>IMDG</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR</b>	Not regulated
<b>ADN</b>	Not regulated
<b>IATA</b>	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)**

Chemical name	French RG number
Cristobalite 14464-46-1	RG 25
Propylene glycol 57-55-6	RG 84
Iron oxide 1309-37-1	RG 44, RG 94

**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>	No - Not all of the components are listed. One or more component is listed on NDSL.
<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/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**

- H304 - May be fatal if swallowed and enters airways
- H361 - Suspected of damaging fertility or the unborn child
- H372 - Causes damage to organs through prolonged or repeated exposure
- H373 - May cause damage to organs through prolonged or repeated exposure

<b>Classification procedure:</b>	Expert judgment and weight of evidence determination
<b>Key literature references and sources for data</b>	Data from internal and external sources
<b>Prepared By</b>	Product Stewardship Department

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**End of Safety Data Sheet**