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 RAW SIENNA**
Product Code	**RF5355**
Alternate Product Code	XY5107
Product Class	Water thinned paint
Color	Yellow brown
Recommended use	Paint
Restrictions on use	No information available

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Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Specific target organ toxicity (repeated exposure)	Category 2 - (H373)

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)
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	>=5 - <10	STOT RE 1 (H372)	Not available
Diatomaceous silica, flux-calcined	272-489-0	68855-54-9	>=1 - <5	STOT RE 2 (H373)	Not available
Iron oxide	215-168-2	1309-37-1	>=1 - <5	Not available	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
Silica, crystalline	238-878-4	14808-60-7	>=0.1 - <0.3	STOT RE 1 (H372)	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

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	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
Cristobalite 14464-46-1	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³	TWA: 0.07 mg/m³	-	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³
Diatomaceous silica, flux-calcined 68855-54-9	-	-	-	-	-	TWA: 1.2 mg/m³ STEL: 3.6 mg/m³
Iron oxide 1309-37-1	-	TWA: 5 mg/m³	TWA: 5.0 mg/m³	-	TWA: 5 mg/m³ TWA: 10 mg/m³	TWA: 5 mg/m³ TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 10 mg/m³ STEL: 12 mg/m³ STEL: 30 mg/m³
Propylene glycol 57-55-6	-	-	-	-	-	TWA: 10 mg/m³ TWA: 150 ppm TWA: 470 mg/m³

						STEL: 1410 mg/m³ STEL: 30 mg/m³ STEL: 450 ppm
Chemical name	**Germany**	**Greece**	**Hungary**	**Iceland**	**Italy**	**Latvia**
Cristobalite 14464-46-1	-	-	TWA: 0.15 mg/m³	0.15 mg/m³ TWA 0.05 mg/m³ TWA	-	-
Diatomaceous silica, flux-calcined 68855-54-9	TWA: 0.3 mg/m³	-	-	1.5 mg/m³ TWA	-	-
Iron oxide 1309-37-1	-	TWA: 10 mg/m³ STEL: 10 mg/m³	TWA: 6 mg/m³	3.5 mg/m³ TWA	-	-
Propylene glycol 57-55-6	-	-	-	-	-	TWA: 7 mg/m³

Chemical name	**Lithuania**	**Netherlands**	**Poland**	**Romania**	**Spain**	**Sweden**	**United Kingdom**
Cristobalite 14464-46-1	TWA: 0.05 mg/m³	TWA: 0.075 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	TLV: 0.05 mg/m³	TWA: 0.1 mg/m³
Diatomaceous silica, flux-calcined 68855-54-9	-	-	TWA: 2 mg/m³ TWA: 1 mg/m³	-	-	-	-
Iron oxide 1309-37-1	TWA: 3.5 mg/m³	-	STEL: 10 mg/m³ STEL: 5 mg/m³ TWA: 2.5 mg/m³ TWA: 5 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 5 mg/m³	TLV: 3.5 mg/m³	TWA: 5 mg/m³ TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 10 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
Propylene glycol 57-55-6	TWA: 7 mg/m³	-	TWA: 100 mg/m³	-	-	-	TWA: 150 ppm TWA: 474 mg/m³ TWA: 10 mg/m³ STEL: 450 ppm STEL: 1422 mg/m³ STEL: 30 mg/m³

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)	1246 - 1294	None known
Relative Density	1.24 - 1.29	
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	40 - 50	None known
Vol. % Solids	25 - 35	None known
Wt. % Volatiles	50 - 60	None known
Vol. % Volatiles	65 - 75	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
Iron oxide 1309-37-1	> 10000 mg/kg (Rat)		
Propylene glycol 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5530 mg/m³ (Rat) 4 h

Skin corrosion/irritation No information available.

Eye damage/irritation No information available.

Sensitization No sensitizing effects known.

Mutagenic Effects 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
Silica, crystalline 14808-60-7		1 - 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

Reproductive Effects No information available.

Developmental Effects No information available.

STOT - single exposure No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure if inhaled.

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

Chemical name	Algae/aquatic plants	Fish	Crustacea
Iron oxide 1309-37-1		LC50: =100000mg/L (96h, Danio rerio)	
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)

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
Iron oxide 1309-37-1	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
Titanium dioxide 13463-67-7	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

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)

Chemical name	French RG number
Cristobalite 14464-46-1	RG 25
Iron oxide 1309-37-1	RG 44,RG 44,RG 94
Propylene glycol 57-55-6	RG 84
Silica, crystalline 14808-60-7	RG 25

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
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

Classification procedure: Expert judgment and weight of evidence determination

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

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End of Safety Data Sheet