

ROSCO

SAFETY DATA SHEET

Revision Date: 14-Jun-2018

Revision Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ROSCO CRYSTAL GEL - CLEAR
Product Code RF7400
Alternate Product Code XY8000
Product Class Water thinned paint
Color Clear
Recommended use Paint
Restrictions on use No information available

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

Emergency Telephone

CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance liquid

Odor little or no odor

Hazards not otherwise classified (HNOC)

Not applicable

Other information

No information available

3. COMPOSITION INFORMATION ON COMPONENTS

This product contains no hazardous components present at reportable quantities.

4. 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.
Most Important Symptoms/Effects	None known.
Notes To Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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.
Specific Hazards Arising From The Chemical	Closed containers may rupture if exposed to fire or extreme heat.
Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	No
Flash Point Data	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability Limits In Air	
Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA Health: 1 Flammability: 0 Instability: 0 **Special:** Not Applicable

NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Other Information	Prevent further leakage or spillage if safe to do so.
Environmental precautions	See Section 12 for additional Ecological Information.
Methods for Cleaning Up	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

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.
Storage	Keep container tightly closed. Keep out of the reach of children.
Incompatible Materials	No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Limits****Legend**

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Protective gloves and impervious clothing.
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene Measures	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs/gal)	8.4 - 8.8
Specific Gravity	1.00 - 1.05
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure @20 °C (kPa)	No information available
Vapor density	No information available
Wt. % Solids	35 - 45
Vol. % Solids	30 - 40
Wt. % Volatiles	55 - 65
Vol. % Volatiles	60 - 70
VOC Regulatory Limit (g/L)	< 50
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing Point (°F)	32
Freezing Point (°C)	0
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target organ effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Numerical measures of toxicity

Component Information

Carcinogenicity

There are no known carcinogenic chemicals in this product above reportable levels.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

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

Product Information

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Persistence / Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information**Acute Toxicity to Fish**

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION**DOT**

Not regulated

ICAO / IATA

Not regulated

IMDG / IMO

Not regulated

15. REGULATORY INFORMATION**International Inventories****TSCA: United States**

Yes - All components are listed or exempt.

DSL: Canada

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

Federal Regulations**SARA 311/312 hazardous categorization**

Acute health hazard

No

Chronic Health Hazard

No

Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

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:

None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

None

US State Regulations**California Proposition 65**

WARNING: Cancer and Reproductive Harm– www.P65warnings.ca.gov

State Right-to-Know**Legend**

X - Listed

16. OTHER INFORMATION

HMIS - Health: 1 Flammability: 0 Reactivity: 0 PPE: -

HMIS Legend

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- * - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN.

PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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

Revision Date: 14-Jun-2018
Revision Summary Not available

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

FLEXBOND

SDS No.: 7500
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SDS Preparation Date: October 1, 2016

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name : **FLEXBOND**
Product Use : Adhesive
Chemical Family : Not available.
Supplier's name and address : **Rosco Laboratories Inc.**

52 Harbor View Avenue
Stamford, CT, United States
06902

24 Hr. Emergency Tel # : (800) 424-9300 Chemtrec U.S.
(703) 527-3887 Chemtrec Outside U.S.

HMIS Rating : * - Chronic Hazard 0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
Health: 1 Flammability: 0 Reactivity: 0

WHMIS Classes:



Unregulated

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid. Opaque. Sweet odor. No special hazards exist with this product. As with any chemical substance, caution and care will prevent unnecessary accidents and safety problems. Read instructions on label before use.

POTENTIAL HEALTH EFFECTS

Target organs : None known.
Routes of exposure : *Inhalation*: YES *Skin Absorption*: NO *Skin & Eyes*: YES *Ingestion*: YES
Potential acute health effects :
Eyes: None expected, when used as intended.
Skin: None expected, when used as intended.
Inhalation: None expected, when used as intended.
Ingestion: None expected, when used as intended.
Potential chronic health effects : None expected, when used as intended.
Medical conditions aggravated by overexposure : None known or reported by the manufacturer.
Addition health hazards : None reported by the manufacturer.
Potential environmental effects : None reported by the manufacturer.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS



FLEXBOND

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Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
No hazardous ingredients	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

SECTION 4 – FIRST AID MEASURES

- Inhalation : Move to fresh air. If irritation persists, seek prompt medical attention.
- Skin contact : Remove and wash contaminated clothing before re-use. Wash affected areas with soap and water.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion : Do not induce vomiting without medical advice. Call a physician immediately. Clean mouth with water and drink afterwards plenty of water.
- Notes for physician : Low degree of toxicity.

SECTION 5 – FIRE FIGHTING MEASURES

- Fire hazards/conditions of flammability : Not flammable under normal conditions of handling. This product will not burn, due to its water content.
- Flammability classification (OSHA 29 CFR 1910. 1200) : Not flammable.
- Flash point : Not applicable.
- Flash point Method : Not applicable.
- Lower flammable limit (% by vol.) : Not applicable. Auto-ignition temperature : Not available. Upper flammable limit (% by vol.) : Not applicable.
- Suitable extinguishing media : Does not sustain combustion. Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
- Explosion data: Sensitivity to mechanical impact / static discharge : Not expected to be sensitive to mechanical impact or static discharge.
- Special fire-fighting procedures/equipment : None reported by the manufacturer.
- Hazardous combustion products : None known or reported by the manufacturer.
- Oxidizing properties : None known or reported by the manufacturer.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions : Caution! Spilled material may be slippery. Use care to avoid falling. Wear suitable protective clothing (see Section 8).
- Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
- Spill response/cleanup : Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Water spray: Dilute with water. Flush any residue in the spill area with water. Dispose of rinse water in accordance with local and national regulations.
- Containment : Transfer liquid to containers for recover or disposal. Dispose of in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

- Safe Handling procedures : Use and store in a cool, dry, well-ventilated area. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Do not ingest. Keep containers closed when not in use.
- Storage requirements : Store in a cool, dry, well-ventilated area. Inspect periodically for damage or leaks.



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Incompatible materials : Strong oxidizing agents.
Special packaging materials : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures : Local exhaust is preferable. Use with adequate ventilation. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).

Respiratory protection : None required under normal conditions.

Skin protection : Wear impervious gloves, such as neoprene or nitrile rubber.

Eye / face protection : Use safety goggles. If splashing is anticipated, splash goggles and a face shield are recommended.

Other protective equipment : Emergency showers and eyewash facilities should be nearby.

General hygiene considerations : Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid. Appearance : Opaque
 Odor : Sweet odor. Odor threshold : Not available.
 pH : Not available.
 Boiling point : 99 - 100 °C Specific gravity : 1.10
 Melting/Freezing point : -4 - 0 °C Coefficient of water/oil distribution : Not available

Vapor pressure (mmHg @20°C/ 68°F): Not available. Solubility in water : Appreciable. (10.0 – 99.9%)
 Vapor density (Air = 1) : Not available. Evaporation rate (n-Butyl acetate = 1) : Not available.

Volatile organic Compounds (VOC's) (lbs/gal: g/l) Volatiles (% by weight) : Not available.
 : 0.0 lbs/gal

Viscosity : Not available.
 Special Remarks On Fire Hazards : Not flammable under normal conditions of use.

SECTION 10 – REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under normal conditions.
 Hazardous polymerization : Will not occur.
 Conditions to avoid : Not applicable.
 Materials to Avoid and Incompatibility : None reported by the manufacturer.
 Hazardous decomposition products : None reported by the manufacturer.

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredients	LC ₅₀ (4hr) inh, rat	LD ₅₀	
		oral	dermal
No hazardous ingredients	N/Av	N/Av	N/Av

Toxicological data : Low order of toxicity for normal industrial handling.
 Carcinogenic status : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
 Reproductive effects : Not expected to have other reproductive effects.
 Teratogenicity : Not expected to be a teratogen.
 Mutagenicity : Not expected to be mutagenic in humans.
 Reproductive effects : Not expected to have other reproductive effects.
 Irritancy : None expected, when used as intended.



FLEXBOND

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Sensitization to material : Not expected to be sensitive to mechanical impact or static discharge.
 Synergistic materials : None reported by the manufacturer.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
 Important environmental characteristics : None known or reported by the manufacturer.
 Ecotoxicological : No data is available on the product itself.

SECTION 13 – DISPOSAL CONSIDERATIONS

Handling for Disposal : See Section 7 (Handling and Storage) section for further details.
 Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				



FLEXBOND

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SECTION 15 – REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: Class D2B (Materials Causing Other Toxic Effects, Toxic Material)

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16 – OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
N/Ap: not applicable
N/Av: not available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration

References

: Information obtained from sources including original supplier's Safety Data Sheet, and reference including RTECS and CCOHS Cheminfo.

Prepared for:

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

<http://http://www.rosco.com/>



DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: October 1, 2016

END OF DOCUMENT

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name : FLEXCOAT
Product Use : Coating - Flame retardant
Chemical Family : Not available.
Supplier's name and address : **Rosco Laboratories Inc.**
52 Harbor View Avenue
Stamford, CT, United States
06902

24 Hr. Emergency Tel # : (800) 424-9300 Chemtrec U.S.
(703) 527-3887 Chemtrec Outside U.S.

HMIS Rating : * - Chronic Hazard 0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
Health: 1 Flammability: 0 Reactivity: 0

WHMIS Classes:



TOXIC

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: liquid, thixotropic. Ammonia odor. Severe eye irritant. Harmful if inhaled or swallowed.

POTENTIAL HEALTH EFFECTS

Target organs : Eyes and respiratory system
Routes of exposure : *Inhalation*: YES *Skin Absorption*: NO *Skin & Eyes*: YES *Ingestion*: YES
Potential acute health effects :

Eyes: Causes severe eye irritation. Vapors may irritate eyes. Mists may cause irritation.
Skin: May cause slight irritation.
Inhalation: Possible headache, nausea. May cause lung irritation. Irritation of the nose and throat.
Ingestion: Abdominal pain, Nausea, Vomiting.

Potential chronic health effects : None known or reported by the manufacturer.
Medical conditions aggravated by overexposure : Pre-existing skin and respiratory disorders.
Addition health hazards : None reported by the manufacturer.
Potential environmental effects : None reported by the manufacturer.



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
Aqueous acrylic emulsion	Mixt-ur-e	30.0 - 60.0	N/Av	N/Av	N/Av	N/Av
Ammonia	7664-41-7	0.1 - 1.0	25 ppm TWA	35 ppm STEL	50 ppm 35 mg/m3 TWA	35 ppm TWA; STEL; 27 mg/m3 STEL
Calcium carbonate	471-34-1	15.0 - 40.0	10 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica)	N/Av	N/Av	N/Av
Aluminum trihydroxide	21645-51-2	7.0 - 13.0	N/Av	N/Av	N/Av	N/Av
Titanium dioxide	13463-67-7	1.0 - 5.0	10 mg/m3 TWA	N/Av	15 mg/m3 TWA (total dust)	N/Av
Amorphous silica	7631-86-9	1.0 - 5.0	N/Av	N/Av	N/Av	N/Av
Aluminum hydroxide	21645-51-2	1.0 - 5.0	N/Av	N/Av	N/Av	N/Av

SECTION 4 – FIRST AID MEASURES

- Inhalation : If inhaled, move to fresh air. If irritation persists, seek prompt medical attention.
- Skin contact : Remove and wash contaminated clothing before re-use. Wash affected areas with soap and water. If irritation occurs or persists, seek medical attention.
- Eye contact : Immediately flush eyes with running water for at least 20 minutes. If irritation persists, seek prompt medical attention.
- Ingestion : Do not induce vomiting without medical advice. Call a physician immediately. Clean mouth with water and drink afterwards plenty of water.
- Notes for physician : Low degree of toxicity.

SECTION 5 – FIRE FIGHTING MEASURES

- Fire hazards/conditions of flammability : Not flammable under normal conditions of handling.
- Flammability classification (OSHA 29 CFR 1910. 1200) : Not flammable.
- Flash point : 96 °C
- Flash point Method : Seta Flash CC. Auto-ignition temperature : Not available.
- Lower flammable limit (% by vol.) : Not applicable. Upper flammable limit (% by vol.) : Not applicable
- Suitable extinguishing media : Does not sustain combustion. Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
- Explosion data: Sensitivity to mechanical impact / static discharge : Not expected to be sensitive to mechanical impact or static discharge.
- Special fire-fighting procedures/equipment



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- Hazardous combustion products : None reported by the manufacturer.
- Oxidizing properties : Oxides of carbon.
- Oxidizing properties : None known or reported by the manufacturer.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions : Caution! Spilled material may be slippery. Use care to avoid falling. Wear suitable protective clothing (see Section 8).
- Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
- Spill response/cleanup : Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).
Water spray: Dilute with water. Flush any residue in the spill area with water. Dispose of rinse water in accordance with local and national regulations.
- Containment : Transfer liquid to containers for recovery or disposal. Dispose of in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

- Safe Handling procedures : Use and store in a cool, dry, well-ventilated area. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Do not ingest. Keep containers closed when not in use.
- Storage requirements : Store in a cool, dry, well-ventilated area. Inspect periodically for damage or leaks. Do not freeze.
- Incompatible materials : Strong oxidizers (e.g. Chlorine, Peroxides, etc.).
- Special packaging materials : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures : Local exhaust is preferable. Use with adequate ventilation. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).
- Respiratory protection : None required under normal conditions.
- Skin protection : Gloves impervious to the material are recommended.
- Eye / face protection : Use safety goggles. If splashing is anticipated, splash goggles and a face shield are recommended.
- Other protective equipment : Emergency showers and eyewash facilities should be nearby.
- General hygiene considerations : Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid. Appearance : Thixotropic
- Odor : Sweet ammonia odor. Odor threshold : Not available.
- pH : Not available.
- Boiling point : 100 °C Specific gravity : 1.43
- Melting/Freezing point : N/Av Coefficient of water/oil distribution : Not available.
- Vapor pressure (mmHg @20°C/ 68°F): Not available. Solubility in water : Appreciable. (10.0 - 99.9%)
- Vapor density (Air = 1) : Less than 1.0 (Air = 1.0) Evaporation rate (n-Butyl acetate = 1) : Not available.
- Volatile organic Compounds (VOC's) (lbs/gal: g/l) Volatiles (% by weight) : Not available.
- Viscosity : Not available.



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Special Remarks On Fire Hazards : Not flammable under normal conditions of use.

SECTION 10 – REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under normal conditions.
 Hazardous polymerization : Will not occur.
 Conditions to avoid : Not applicable.
 Materials to Avoid and Incompatibility : Oxidizing agents. Incompatible materials (see Section 7).
 Hazardous decomposition products : Carbon dioxide, carbon monoxide and other unidentified organic compounds. Acrylic monomers.

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredients	LC ₅₀ (4hr) inh, rat	LD ₅₀	
		oral	dermal
Aqueous acrylic emulsion	N/Av	N/Av	N/Av
Ammonia	N/Av	N/Av	N/Av
Calcium carbonate	N/Av	6450 mg/kg (rat)	N/Av
Aluminum trihydroxide	N/Av	>5000 mg/kg (rat)	N/Av
Titanium dioxide	N/Av	>10000 mg/kg (rat)	N/Av
Amorphous silica	N/Av	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Aluminum hydroxide	N/Av	> 5000 mg/kg (rat)	N/Av

Toxicological data : Low order of toxicity for normal industrial handling.
 Carcinogenic status : Contains the following chemical(s) listed as carcinogenic or possibly carcinogenic by IARC: titanium dioxide.
 Reproductive effects : Not expected to have other reproductive effects.
 Teratogenicity : Contains substances that may damage genetic material or cause embryotoxic/ fetotoxic effects. This product contains: Aluminum trihydroxide, Aluminum hydroxide.
 Mutagenicity : Not expected to be mutagenic in humans.
 Reproductive effects : Not expected to have other reproductive effects.
 Irritancy : Irritating to eyes, respiratory system and skin.
 Sensitization to material : Not expected to be a sensitizer.
 Synergistic materials : None reported by the manufacturer.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
 Important environmental characteristics : None known or reported by the manufacturer.
 Ecotoxicological : No data is available on the product itself.

SECTION 13 – DISPOSAL CONSIDERATIONS

Handling for Disposal : See Section 7 (Handling and Storage) section for further details.
 Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 – REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause developmental harm. This product contains: Titanium Dioxide.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: Class D2B (Materials Causing Other Toxic Effects, Toxic Material)

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.



FLEXCOAT

SDS No.:7120

SDS Preparation Date: October 1, 2016

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SECTION 16 – OTHER INFORMATION

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
N/Ap: not applicable
N/Av: not available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration

References : Information obtained from sources including original supplier's Safety Data Sheet, and reference including RTECS and CCOHS Cheminfo.

<p><u>Prepared for:</u> Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
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DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: October 1, 2016

END OF DOCUMENT

ROSCO

SAFETY DATA SHEET

Revision Date: 14-Jun-2018

Revision Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ROSCO FOAMCOAT
Product Code RF7100
Alternate Product Code XY6753
Product Class Water thinned paint
Color All
Recommended use Paint
Restrictions on use No information available

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

Emergency Telephone

CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity	Category 1A
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Label elements

Danger

Hazard statements

May cause cancer



Appearance liquid

Odor little or no odor

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other information

No information available

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
Limestone	1317-65-3	70
Silica, crystalline	14808-60-7	1

4. 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.
Most Important Symptoms/Effects	None known.
Notes To Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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.
Specific Hazards Arising From The Chemical	Closed containers may rupture if exposed to fire or extreme heat.
Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	No
Flash Point Data	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability Limits In Air	
Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA Health: 1 Flammability: 0 Instability: 0 Special: Not Applicable

NFPA Legend

0 - Not Hazardous
 1 - Slightly
 2 - Moderate
 3 - High
 4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Other Information	Prevent further leakage or spillage if safe to do so.
Environmental precautions	See Section 12 for additional Ecological Information.
Methods for Cleaning Up	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

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.
Storage	Keep container tightly closed. Keep out of the reach of children.
Incompatible Materials	No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL
Limestone	N/E	15 mg/m ³ - TWA 5 mg/m ³ - TWA
Silica, crystalline	0.025 mg/m ³ - TWA	-

Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

Protective gloves and impervious clothing.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs/gal)	15.1 - 15.5
Specific Gravity	1.80 - 1.86
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure @20 °C (kPa)	No information available
Vapor density	No information available
Wt. % Solids	80 - 90
Vol. % Solids	60 - 70
Wt. % Volatiles	10 - 20
Vol. % Volatiles	30 - 40
VOC Regulatory Limit (g/L)	< 50
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing Point (°F)	32
Freezing Point (°C)	0
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available

Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target organ effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure if inhaled.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Numerical measures of toxicity

Component InformationSilica, crystalline

LD50 Oral: 500 mg/kg (Rat)

Carcinogenicity*The information below indicates whether each agency has listed any ingredient as a carcinogen:.*

Chemical name	IARC	NTP	OSHA
Silica, crystalline	1 - Human Carcinogen	Known Human Carcinogen	Listed

• 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.

Legend

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION**Ecotoxicity Effects**

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

Product Information**Acute Toxicity to Fish**

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Persistence / Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information**Acute Toxicity to Fish**

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States

Yes - All components are listed or exempt.

DSL: Canada

Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

Acute health hazard	No
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

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:

None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

None

US State Regulations

California Proposition 65

 **WARNING:** Cancer and Reproductive Harm– www.P65warnings.ca.gov

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania
Limestone	X	X	X
Silica, crystalline	X	X	X

Legend
X - Listed

16. OTHER INFORMATION

HMIS - **Health: 1*** **Flammability: 0** **Reactivity: 0** **PPE: -**

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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

Revision Date: 14-Jun-2018
Revision Summary Not available

Disclaimer

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END OF SAFETY DATA SHEET