



**Rosco Laboratories Inc.**  
 52 Harbor View Avenue  
 Stamford, CT, United States  
 06902  
 Telephone: (203) 708 8900  
 MSDS No.: SF/DF/PA  
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**ROSCOFLAMEX SF/DF/PA**  
**MSDS Reviewed Date** April 1, 2015

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name** **ROSCOFLAMEX SF, ROSCOFLAMEX DF, ROSCOFLAMEX PA**

**Product Use** Coating - Flame retardant

**Chemical Family** N/Ap

**Supplier's name and address:**  
**Rosco Laboratories Inc.**  
 52 Harbor View Avenue  
 Stamford, CT, United States  
 06902

**24 Hr. Emergency Tel #** (800) 424-9300

**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 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ammonium bromide	12124-97-9	5.00 - 10.00	N/Av	N/Av	N/Av	N/Av

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Straw-colored liquid. Little or no odor. Irritating to eyes and skin.

#### \*\*\*POTENTIAL HEALTH EFFECTS\*\*\*

**Target organs** None reported by the manufacturer.

**Routes of exposure** *Inhalation:* YES    *Skin Absorption:* NO    *Skin & Eyes:* YES    *Ingestion:* YES

**Potential acute health effects**

*Eyes:* Contact with eyes may cause irritation. May cause burning sensation, redness and tearing (watering).

*Skin:* May cause irritation.



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*Inhalation:* May cause irritation to upper respiratory system. Symptoms may include coughing, chest pain and shortness of breath. May decompose to form toxic/corrosive gasses if exposed to high heat.

*Ingestion:* Swallowing large amounts may be harmful. Swallowing may cause irritation, nausea and vomiting.

**Potential chronic health effects**

Contact dermatitis can result from prolonged overexposure.

**Medical conditions aggravated by overexposure**

Pre-existing skin conditions.

**Additional health hazards**

None reported by the manufacturer.

**Potential environmental effects**

None reported by the manufacturer.

**SECTION 4 - FIRST AID MEASURES**

**Inhalation** If inhaled, move to fresh air. If irritation persists, seek prompt medical attention.

**Skin contact** Wash affected areas with soap and water. Remove and wash contaminated clothing before re-use.

**Eye contact** Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.

**Ingestion** Call a physician or Poison Control Centre immediately. Dilute with large quantities of water or milk. Never give anything by mouth to an unconscious person. Induce vomiting if and as directed by medical personnel.

**Notes For Physician** Low degree of toxicity.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Fire hazards/conditions of flammability**

Not flammable under normal conditions of handling. May decompose to form toxic/corrosive gasses if exposed to high heat.

**Flammability classification (OSHA 29 CFR 1910.1200)**

Not flammable.

**Flash point**

Not applicable.

**Flash point Method**

Not applicable.

**Auto-ignition temperature**

Not available.

**Lower flammable limit (% by vol.)**

Not applicable.

**Upper flammable limit (% by vol.)**

Not applicable.

**Suitable extinguishing media**

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 sensitive to static discharge or mechanical impact under normal conditions of use and handling.

**Special fire-fighting procedures/equipment**

In case of fire, evacuate area. Firefighters should wear self-contained breathing apparatus (SCBA). In confined spaces or where the risk of skin exposure is much higher (e.g. handling bulk material), impervious clothing should also be worn. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas or for large spill clean-up sites.

**Hazardous combustion products**

Thermal decomposition products include: Ammonia.

**Oxidizing properties**

None.



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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear suitable protective clothing (see Section 8).
<b>Environmental precautions</b>	If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
<b>Spill response/cleanup</b>	Absorb material with mop or sponge. Place contaminated material in sealed containers for disposal. Wash area thoroughly with a detergent solution and rinse well with water.
<b>Containment</b>	Place in an approved metal container. Seal the container.

### SECTION 7 - HANDLING AND STORAGE

<b>Safe Handling procedures</b>	Do not ingest. Avoid prolonged, direct contact with skin. Keep containers closed when not in use. Use with adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with eyes.
<b>Storage requirements</b>	Store in a cool, dry, well-ventilated area. Do not freeze. Inspect periodically for damage or leaks.
<b>Incompatible materials</b>	Incompatible with strong acids and bases.
<b>Special packaging materials</b>	Liquid-proof glass, plastic or non-corrodable metal containers are recommended.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Ventilation and engineering measures</b>	General mechanical ventilation is sufficient for use with this product. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).
<b>Respiratory protection</b>	Not required under normal conditions of handling. Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded.
<b>Skin protection</b>	Wear impervious gloves, such as neoprene or nitrile rubber.
<b>Eye / face protection</b>	Safety glasses with side shields should be used with this product. Chemical splash goggles are recommended.
<b>Other protective equipment</b>	Emergency showers and eyewash facilities should be nearby. Wear appropriate impermeable clothing to prevent prolonged and repeated skin contact.
<b>General hygiene considerations</b>	Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid	<b>Appearance</b>	Pale straw-colored liquid
<b>Odor</b>	Little or no odor.	<b>Odor threshold</b>	Not available.
<b>pH</b>	7.1	<b>Specific gravity</b>	1
<b>Boiling point</b>	100 °C	<b>Coefficient of water/oil distribution</b>	Not available.
<b>Melting/Freezing point</b>	0 °C		



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<b>Vapor pressure (mmHg @ 20° C / 68° F)</b>	Equal to water	<b>Solubility in water</b>	Complete
<b>Vapor density (Air = 1)</b>		<b>Evaporation rate (n-Butyl acetate = 1)</b>	Equal to water
<b>Volatile organic Compounds (VOCs) (lbs/gal;g/l)</b>	0 %	<b>Volatiles (% by weight)</b>	Not available.
<b>Viscosity</b>	Not available.		
<b>Special Remarks On Fire Hazards</b>	Not flammable under normal conditions of use.		

### SECTION 10 - REACTIVITY AND STABILITY DATA

<b>Stability and reactivity</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Will not occur.
<b>Conditions to avoid</b>	None reported by the manufacturer.
<b>Materials To Avoid And Incompatibility</b>	Incompatible with strong acids and oxidizing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition products include: Ammonia.

### SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	LC <sub>50</sub> (4hr)		LD <sub>50</sub>	
	<u>inh, rat</u>	<u>oral</u>	<u>dermal</u>	
Ammonium bromide	N/Av	2700 mg/kg	N/Av	
<b>Toxicological data</b>	Low order of toxicity for normal industrial handling.			
<b>Carcinogenic status</b>	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.			
<b>Reproductive effects</b>	Not expected to have other reproductive effects.			
<b>Teratogenicity</b>	Not expected to be a teratogen.			
<b>Mutagenicity</b>	Not expected to be mutagenic in humans.			
<b>Reproductive Effects</b>	Not expected to have other reproductive effects.			
<b>Irritancy</b>	Irritating to eyes, respiratory system and skin.			
<b>Sensitization to material</b>	Not expected to be a sensitizer.			
<b>Synergistic materials</b>	None known.			

### SECTION 12 - ECOLOGICAL INFORMATION

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



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### SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for Disposal**  
**Methods of Disposal**

See Section 7 (Handling and Storage) section for further details.  
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: 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.



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**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 MSDS 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 Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.



**Prepared for:**

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**DISCLAIMER OF LIABILITY**

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