

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 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

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.

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.

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
Ammonium bromide	12124-97-9	5.00 - 10.00	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 : 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.
- Lower flammable limit (% by vol.) : Not applicable.
- Auto-ignition temperature : Not available.
- 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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear suitable protective clothing (see Section 8).
- Environmental precautions : If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
- Spill response/cleanup : 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.



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Containment : Place in an approved metal container. Seal the container.

SECTION 7 – HANDLING AND STORAGE

Safe Handling procedures : 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.

Storage requirements : Store in a cool, dry, well-ventilated area. Do not freeze. Inspect periodically for damage or leaks.

Incompatible materials : Incompatible with strong acids and bases.

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 : 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).

Respiratory protection : 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.

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

Eye / face protection : Safety glasses with side shields should be used with this product. Chemical splash goggles are recommended.

Other protective equipment : Emergency showers and eyewash facilities should be nearby. Wear appropriate impermeable clothing to prevent prolonged and repeated skin contact.

General hygiene considerations : 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

Physical state	: Liquid	Appearance	: Pale straw-colored liquid.
Odor	: Little or no odor.	Odor threshold	: Not available.
pH	: 7.1		
Boiling point	: 100 °C	Specific gravity	: 1
Melting/Freezing point	: 0 °C	Coefficient of water/oil distribution	: Not available.
Vapor pressure (mmHg @20°C/ 68°F)	: Equal to water.	Solubility in water	: Complete.
Vapor density (Air = 1)	: Equal to water.	Evaporation rate (n-Butyl acetate= 1)	: Equal to water.
Volatile organic Compounds (VOC's) (lbs/gal: q/l)	: Not available.	Volatiles (% by weight)	: 0%
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 : None reported by the manufacture.

Materials to Avoid and Incompatibility : Incompatible with strong acids and oxidizing agents.

Hazardous decomposition products : Thermal decomposition products include: Ammonia.

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredients	LC ₅₀ (4hr) inh, rat	LD ₅₀	
		oral	dermal
Ammonium bromide	N/Av	2700 mg/kg	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 : Irritating to eyes, respiratory system and skin.
 Sensitization to material : Not expected to be a sensitizer.
 Synergistic materials : None known.

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) 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-	



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ICAO/IATA Additional information	None.			
IMDG	None	Not regulated.	Not regulated	-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.

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 : ROSCOFLAMEX WD, ROSCOFLAMEX PC
ROSCOFLAMEX NF

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 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

Straw-colored liquid. Little or no odor. Contact with eyes or skin may cause mild irritation.

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.

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 exposure.

Medical conditions aggravated by overexposure : Pre-existing skin conditions.

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
No hazardous ingredients	N/Ap	100	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 : 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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear suitable protective clothing (see Section 8).
 Environmental precautions : If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.



- Spill response/cleanup : 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.
- Containment : Place in an approved metal container. Seal the container.

SECTION 7 – HANDLING AND STORAGE

- Safe Handling procedures : 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.
- Storage requirements : Store in a cool, dry, well-ventilated area. Do not freeze. Inspect periodically for damage or leaks.
- Incompatible materials : Incompatible with strong acids and bases.
- 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 : 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).
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|---|---|---------------------------------------|------------------------------|
| Physical state | : Liquid | Appearance | : Pale straw-colored liquid. |
| Odor | : Little or no odor. | Odor threshold | : Not available. |
| pH | : 7.1 | | |
| Boiling point | : 100 °C | Specific gravity | : 1 |
| Melting/Freezing point | : 0 °C | Coefficient of water/oil distribution | : Not available. |
| Vapor pressure (mmHg @20°C/ 68°F) | : Equal to water. | Solubility in water | : Complete. |
| Vapor density (Air = 1) | : Equal to water. | Evaporation rate (n-Butyl acetate= 1) | : Equal to water. |
| Volatile organic Compounds (VOC's) (lbs/gal: q/l) | : Not available. | Volatiles (% by weight) | : 0% |
| 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.
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- Materials to Avoid and Incompatibility : Incompatible with strong acids and oxidizing agents.
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TDG Additional information	None.				
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49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	



ROSCOFLAMEX WD/PC/NF

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ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	

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

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Preparation Date: October 1, 2016

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