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

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **ROSCOFLAMEX P50**

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

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 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
Water	7732-18-5	40.0 - 70.0	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear liquid. Slight 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 reported by the manufacturer.

Medical conditions aggravated by overexposure
: None known or reported by the manufacturer.

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

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. 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.

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

: Do not breathe fumes and gases. Firefighters should wear full-face, self-contained breathing apparatus (MSHA / NIOSH approved or the equivalent) and impervious clothing.

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 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 : Peroxides, Strong bases, 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 : Clear liquid.

Odor : Slight.

Odor threshold : Not available.

pH : Not available.

Boiling point : 99 - 100 °C

Specific gravity : 1.14

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) : 0.52 lbs/gal

Volatiles (% by weight) : Not available.

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

: Strong bases, Strong oxidizing agents, Peroxides

Hazardous decomposition products

: Ammonia, Bromine

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredients	LC_{50}(4hr) inh, rat	LD_{50} oral	LD_{50} dermal
Water	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.
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: 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: This product is not a WHMIS controlled product in Canada..
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.

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