

# MATERIAL SAFETY DATA SHEET

## Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### COMPANY INFORMATION:

Rosco Laboratories Inc.  
52 Harbor View Ave  
Stamford, CT 06902  
Telephone: 1-800-767-2669  
Emergency Telephone: Chemtrec  
1-800-424-9300

### MSDS INFORMATION:

Preparation Date: 04/1/12  
Effective Date: 04/1/12  
Supercedes: n/a

### PRODUCT INFORMATION:

Product Name: Flamex Barrier FR; 15007FRW White, 15007FRB Black, (all colors)  
Product Use: Fire Retardant Paint, Fire Retardant Coating

## Section 2. COMPOSITION INFORMATION

### CHEMICALS: HAZARDOUS

Name	CAS #	Weight % (max)
Titanium Dioxide	13463-67-7	10%

### CHEMICALS: NON-HAZARDOUS

Name	CAS #	Weight % (max)
Polymer Solids	Proprietary	20%
Pigment Extender	Proprietary	30%

## Section 3. HAZARDS IDENTIFICATION

**Ingestion:** Ingestion may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.  
**Inhalation:** Continued and concentrated exposure may cause irritation to respiratory tract.  
**Eye Contact:** Causes irritation, redness, pain.  
**Skin Contact:** Continued long-term exposure may cause irritation.  
**Chronic Exposure:** No information found

## Section 4. FIRST AID MEASURES

**General Advice:** No hazards that require special first aid measures.  
**Ingestion:** Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.  
**Skin:** Wash skin with water. Wash clothing before reuse.

## Section 5. FIRE FIGHTING MEASURES

**Fire:** Not considered to be a fire hazard  
**Explosion:** Not considered to be an explosion hazard  
**Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.  
**Special Fire Fighting Procedures:** Product may release ammonia cyanurate fumes under high heat. Use appropriate respirator.

**Section 6.****ACCIDENTAL RELEASE MEASURES**

Wear appropriate personal protective equipment as specified in Section 8. Dam flowing liquid to minimize spread. Scoop available excess into containers. Use water wet mop or sponge to wipe up remainder.

**Section 7.****HANDLING AND STORAGE**

Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Observe all warnings and precautions listed for the product.

**Section 8.****EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Limits:**

None established

**Ventilation System:**

In general, normal ventilation is a satisfactory health hazard control for this product. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**Personal Respirators (NIOSH Approved)**

Use respirator or mask for fine particulates

**Skin Protection:**

Wear impervious protective clothing to prevent skin contact.

**Eye Protection:**

Use chemical safety goggles.

**Section 9.****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	liquid
<b>Odor:</b>	mild
<b>Density (lbs/gal)</b>	10.5 – 11.5
<b>Specific Gravity</b>	1.26 – 1.38
<b>pH:</b>	7.5 – 11.5
<b>Viscosity:</b>	Not available
<b>Solubility:</b>	Dilutable
<b>% Volatiles by volume @21C (70F)</b>	None
<b>% Volatiles by weight</b>	None
<b>Boiling Point (°F):</b>	212
<b>Freezing Point (°F):</b>	32
<b>Flash Point:</b>	None
<b>Vapor Density (Air=1):</b>	>1 (air = 1)
<b>Vapor Pressure (mm Hg):</b>	Not available
<b>Evaporation Rate:</b>	<1 (butyl acetate = 1)

**Section 10.****STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to Avoid:</b>	Prevent from freezing
<b>Hazardous Decomposition Products:</b>	None under normal use
<b>Hazardous Polymerization:</b>	None found
<b>Incompatibilities:</b>	None found

**Section 11.****TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

Titanium Dioxide

LD50 Oral: >2400 mg/kg (rat)

LD50 Dermal: >10,000 mg/m<sup>3</sup> (rabbit)  
LC50 Inhalation (Dust): >6.82 mg/L (rat, 4 hr.)

### CHRONIC TOXICITY

#### Titanium Dioxide:

ACGIH:	Not listed
IARC	2B – Possible Human Carcinogen
NTP	Not listed
OSHA Carcinogen:	Listed

\*\*Although IARC has classified titanium dioxide as a possible carcinogen to humans, (2B), their summary state: “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.”

## Section 12. ECOLOGICAL INFORMATION

**PRODUCT:** No information available

### COMPONENT::

#### Acute Toxicity to Fish:

Titanium Dioxide: LC50: >1000 mg/L (Fathead Minnow – 96 hr)

#### Acute Toxicity to Aquatic Invertebrates:

No information available

#### Acute Toxicity to Aquatic Plants:

No information available

## Section 13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal manner. State and local disposal regulations may differ from federal regulations.

## Section 14. TRANSPORT INFORMATION

US DOT	Not regulated
ICAO/IATA	Not regulated
IMDG/IMO	Not regulated

## Section 15. REGULATORY INFORMATION

The following refer to the components included in the proprietary mixture:

TSCA Inventory Status	Listed
EC Inventory Status	Listed
Japan Inventory Status	Listed
Australia Inventory Status	Listed
Korea Inventory Status	Listed
DSL Inventory Status	Listed
NDSL Inventory Status	Not Listed
Phil. Inventory Status	Listed
SARA 302 Regulated	No
SARA 313 Regulated	No
TSCA 12b Regulated	No
Chemical Weapons Convention Regulated	No

## Section 16. ADDITIONAL INFORMATION

HMIS RATINGS:  
Health: 1  
Flammability: 0  
Reactivity: 0  
Contact: 1

HMIS RATING SYSTEM:  
4 – severe hazard  
3 – serious hazard  
2 – moderate hazard  
1 – slight hazard  
0 – minimal hazard