

MATERIAL SAFETY DATA SHEET FX FLUID Page 1 of 7

Issue Date: 02/04/04

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Manufacturer: **ROSCO LABORATORIES, Inc.**
ADDRESS: 52 Harbor View Avenue; Stamford CT 06902, USA
PHONE: (203) 708-8900 Eastern Time (323) 462-2233 Pacific Time
EMERGENCY **For a transport accident or leak, fire or major spill,**
 call CHEMTREC, (24 hrs.) (800) 424-9300

Material Name: **ROSCO FX FLUID**

Read the entire MSDS for a complete hazard assessment.

SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS*

CAS Number Ingredient Name

007732-18-5 Water
000112-27-6 Triethylene glycol
000057-55-6 Propylene glycol

*Ingredients not precisely identified are either proprietary or non hazardous.

SECTION 3: HAZARDS IDENTIFICATION*

*As defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. See Section 8 for exposure guidelines.

*******EMERGENCY OVERVIEW*******

CLEAR LIQUID

NO PHYSICAL OR HEALTH HAZARDS.

KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EFFECTS

Inhalation: This product is not an inhalation hazard, however, transient irritation may occur from exposure to high prolonged vapor concentrations. Persons with asthma or reactive airway disorders (employees or spectators) should be warned that they might experience asthma-like effects from exposure to this or any aerosolized material.

Eye: Direct eye contact with the liquid may cause transient mild reversible irritation.

Skin: Direct skin contact with the liquid should not result in irritation or dermatitis.

Ingestion: This product is not an ingestion hazard when used under normal conditions. If accidentally ingested in large quantities, may cause vomiting, nausea, and diarrhea.

SECTION 4: FIRST AID MEASURES

General First Aid Procedures

Eyes

Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin

Wash off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Ingestion

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink. If large amounts are ingested, refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation

Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Material does not support combustion.

Flash Point: Does not flash

Upper Flammability Limit: No Data

Lower Flammability Limit: No Data

Auto ignition Temperature: No Data

Products of combustion

Product does not support combustion. If involved in a fire with other materials, normal products of combustion are produced.

Extinguishing media

Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

Fire fighting instructions

Self-contained breathing apparatus with full-face piece and protective clothing if involved in a fire of other materials.

Unusual Fire and Explosion Hazards

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill procedures

Ventilate spill area. Wear eye, skin and respiratory protection during cleanup. Contain spill. Soak up material with absorbent and shovel into a chemical waste container. Avoid runoff to waterways and sewers.

SECTION 7: HANDLING and STORAGE

Handling

Normal chemical handling and storage.

Storage

Keep out of reach of children. Do not store near food, foodstuffs, drugs, or potable water supplies. Store in a cool area with good ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice. The American Industrial Hygiene Association has established a Workplace Environmental Exposure Level (WEEL) for propylene glycol of 50 ppm (total) and 10 mg/m³ (aerosol only), as an 8-hour TWA.

Engineering controls

Use good ventilation adequate to maintain safe levels.

PROTECTIVE EQUIPMENT

Respiratory protection

No special respiratory protection required in normal use. If needed, use MSHA-NIOSH approved respirator for organic vapors, mists and fumes.

Protective clothing

No special personal protective equipment required in normal use. When handling the concentrated product, natural rubber or polyvinyl chloride-coated gloves are recommended.

Eye protection

Chemical tight goggles where splashing of the liquid is possible.

Other

Eyewash station in work area.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Clear
Odor: None
Odor Threshold: No Data
Boiling Point: 212-470 °F
Decomposition Temperature: No Data
Melting Point: No Data
Vapor Pressure (mm Hg at 20 °C): 8.40
Vapor Density (air = 1): 2.9
Solubility in Water: yes
Solubility in Other: No Data
Octanol/Water Partition Coefficient: No Data
Evaporation Rate (Butyl acetate = 1): 0.01
pH: approx. 7
Specific Gravity (water = 1): approx. 1.12
% Volatile by Volume: 70%
Viscosity: No Data

SECTION 10: STABILITY and REACTIVITY*Chemical Stability*

Stable under normal conditions.

Conditions to avoid

None.

Incompatibility

If combined with strong oxidizers and/or acids, explosive decomposition may occur.

Hazardous polymerization

Will not occur.

Hazardous decomposition products

In a fire or at very high temperatures carbon monoxide, carbon dioxide, and aldehydes, ethers, ketones and organic acids may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure: inhalation, ingestion, eye or skin contact.

- Eye: Only a slight, transient eye irritant based on ingredients. Mist may cause slight eye irritation.
- Skin: Not a skin irritant based on ingredients.
- Inhalation: Not toxic by inhalation based on ingredients.
- Ingestion: Has a low oral toxicity based on ingredients.

Chronic Effects: No chronic adverse health effects have been reported.

Regulated carcinogen(s)

This product contains no components present at concentrations equal to or greater than 0.1% listed by IARC, OSHA, NTP or ACGIH as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Based on ingredients, the bioconcentration potential is low.

Environmental fate

Based on ingredients, the material is ultimately biodegradable.

Other

Based on ingredients, the material is practically non-toxic to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method

Discarded product is not a hazardous waste under RCRA. Dispose of properly in an approved waste disposal facility.

Container disposal

Dispose of properly. Do not reuse container except for storage and shipment of the original product.

SECTION 14: TRANSPORT INFORMATION

Not regulated by the US DOT.

SECTION 15: REGULATORY INFORMATION

US Regulations

SARA Title III (Emergency Planning and Community Right-To-Know Act)

Section 313 Reportable ingredients:

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

Section 301, 302 Reportable ingredients:

This product does not contain any chemicals subject to the reporting requirements of SARA Section 301, 302. This product does not contain any Reportable Quantity materials (RQ) or Total Planning Quantities (TPQ).

California Proposition 65:

This product is not known to contain any chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

Pennsylvania Right-to-Know Hazardous Substances (34 Pa. Code Chap. 301-323) (Threshold 1%):

RN: 112-27-6 Triethylene glycol

RN: 57-55-6 Propylene glycol

National Inventories

TSCA (Toxic Substances Control Act)

All ingredients are on the TSCA Chemical Substances Inventory.

Canada

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

European Union

All ingredients are on the EINECS Inventory of chemical substances.

SECTION 16: OTHER INFORMATION

This product is not a "Hazardous Chemical" as defined by the OSHA Hazardous Communications Standard, 29 CFR 1410.1200.

This product is not considered a "Controlled Product" under WHMIS, the Canadian Hazardous Materials Information System.

We assigned NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS and its use.*

NFPA Rating:

Health:	1
Fire:	0
Reactivity:	0
Special:	-

HMIS Rating:

Health:	1
Fire:	0
Reactivity:	0

Personal Protection: See appropriate MSDS section.

*This information is intended solely for the use of individuals trained in the particular hazard rating system.

Revision status:

Version number: 0007

MSDS Version date: 02/04/04

Revision: 1

Issue date: 02/04/04

The information herein is given in good faith but no warranty, expressed or implied, is made.

Approved by: E Tishman

Approval date: 02/18/04

For further questions, call during regular business hours (203) 708-8900 ET, (323) 462-2233 PT

****End of MSDS****