

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name EDF™	Product Code SL85-32
Manufacturer's Name StatLab Medical Products, Inc.	Emergency Telephone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 407 Interchange st. McKinney Tx 75071	Telephone Number for Information 800-442-3573 Date Prepared 3/19/2003 rev(10/2006) Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Formic Acid	64-18-6		5 ppm TWA		~12
Formaldehyde	50-00-0		.75 ppm TWA		~4
Methyl Alcohol	67-56-1		200 ppm TWA		~2
Water	7732-18-5		N/A		Balance

Section 3. Hazards Identification

Emergency Overview

Toxic. Suspect carcinogen. Methyl alcohol stabilizer is toxic. Fumes cause severe eye pain. Acute: Severe irritation and burns to skin, eyes, lungs, mucous membranes, and GI tract. Sore throat, headache. Chronic: Dermatitis, eye damage/blindness, strong allergic sensitization, liver/kidney damage.

Target Organs Persons with preexisting skin, eye, respiratory, or kidney/liver disorders may be more susceptible.

Potential Health Effects

Eye Fumes cause severe pain and burns to the eye. Eye damage/blindness.

Skin Severe irritation and burns to the skin. Dermatitis.

Ingestion Severe irritation to GI tract. Liver/kidney damage.

Inhalation Fumes cause severe irritation to the lungs, mucous membranes, sore throat and headache.

Chronic/Carcinogenicity Dermatitis, eye damage/blindness, strong allergic sensitization, liver/kidney damage.

Teratology N/A

Reproduction N/A

Mutagenicity N/A

Material Safety Data Sheet

Product Name EDF™

Product Code SL85-32



Section 4. First Aid Measures

Eye Wash with plenty of water for 15 minutes, lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IMMEDIATELY.

Skin In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion If swallowed, DO NOT induce vomiting. Give water or milk, or milk of magnesia. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN IMMEDIATELY.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. CALL A PHYSICIAN IMMEDIATELY.

All Other Means of Exposure CONTACT POISON CONTROL CENTER IMMEDIATELY. Be prepared to provide hazardous ingredient information from Section 2.

Section 5. Fire Fighting Measures

Flammable Properties Flash Point 49° C Method closed cup

Flammable Limits Lower 18 Upper 57

Autoignition Temperature 433° C

Hazardous Combustion Products

Extinguishing Media Use any medium suitable for extinguishing supporting fire.

Fire Fighting Instructions Use water to cool. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

Explosion Hazards Combustible liquid, autoignition temperature 433° C. Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back.

Section 6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Small spills may be absorbed on paper towels and evaporated in a fume hood. Allow enough time for fumes to clear hood, then ignite paper in a suitable location away from combustible material. Contain and recover liquid when possible.

Material Safety Data Sheet

Product Name EDF™

Product Code SL85-32



Section 7. Handling and Storage

Handling/Storage Handle in the presence of adequate ventilation. Store in a cool well ventilated area.

Section 8. Exposure Controls, Personal Protection

Overview Persons with pr-existing skin, eye, respiratory, or kidney/liver disorders may be more susceptible.

Respiratory Protection Organic or self-contained. Local exhaust or mechanical exhaust

Skin Protection Vinyl or rubber gloves. Lab coat and apron.

Eye Protection Goggles and faceshield.

Permissible Exposure Levels (see also Section 2)

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Formic Acid	64-18-6		5 ppm TWA		~12
Formaldehyde	50-00-0		.075 ppm TWA		~4
Methyl Alcohol	67-56-1		200 ppm TWA		~2
Water	7732-18-5		N/A		Balance

Section 9. Physical and Chemical Properties

Boiling Point	~101° C	Specific Gravity (H2O = 1)	1.1
Vapor Pressure (mm Hg)	~23 @ 37° C	Melting Point	~8° C
Vapor Density (AIR = 1)	1.6	Evaporation rate (Butyl Acetate = 1)	2.1
Solubility in Water	100%	Physical State	Liquid
Appearance and Odor	Clear colorless, sharp biting odor	Other	

Section 10. Stability and Reactivity

Chemical Stability Stable

Incompatibility Acids, Alkalies, Anhydrides, Isocyanides, Urea, Phenol, Oxidizing agents, oxides.

Hazardous Decomposition Products Carbon oxides, Formaldehyde fumes

Hazardous Polymerization May occur at low temperatures. Methyl alcohol is a stabilizer.

Material Safety Data Sheet

Product Name EDF™

Product Code SL85-32



Section 11. Toxicological Information

Section 12. Ecological Information

Section 13. Disposal Considerations

Can be liquid incinerated in RCRA-approved combustible chamber or absorbed with vermiculite, dry sand, earth or similar material. Scoop up with non-sparking tools and place in a closed container, and dispose of in a RCRA-approved facility. Do not flush to the sewer.

Section 14. Transport Information

US DOT (domestic ground) Corrosive Liquids, n.o.s., (Formic Acid & Formalin) 8, II, UN1760

IATA (air) Corrosive Liquids, n.o.s., (Formic Acid & Formalin) 8, II, UN1760

Note: *It is ultimately the shippers responsibility to make hazard class determination based on their best information possible.*

Section 15. Regulatory Information

Section 16. Other Information

NFPA Rating: Health: 3 Flammability: 1 Reactivity: 2 Special key Note: None

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration to its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and STATLAB MEDICAL PRODUCTS, INC. assumes no legal responsibility or liability whatsoever resulting from its use.