

FUJISAWA USA, INC., FUJISAWA PHARMACEUTICAL CO -- EPHEDRINE SULFATE INJECTION --  
6505-01-093-7115

===== Product Identification =====

Product ID:EPHEDRINE SULFATE INJECTION

MSDS Date:10/07/1992

FSC:6505

NIIN:01-093-7115

MSDS Number: BQWMT

=== Responsible Party ===

Company Name:FUJISAWA USA, INC., FUJISAWA PHARMACEUTICAL CO

Address:3 PARKWAY NORTH

City:DEERFIELD

State:IL

ZIP:60015-2548

Country:US

In

fo Phone Num:708-317-0800

Emergency Phone Num:800-888-7704

CAGE:0K706

=== Contractor Identification ===

Company Name:FUJISAWA USA, INC

Address:3 PKY N

Box:City:DEERFIELD

State:IL

ZIP:60015-2548

Country:US

Phone:847-317-1256

CAGE:39832

Company Name:FUJISAWA USA, INC.

Address:3 PARKWAY NORTH

Box:City:DEERFIELD

State:IL

ZIP:60015-2548

Country:US

Phone:708-317-0800 OR 800-888-7704

CAGE:0K706

===== Composition/Information on Ingredients =====

Ingred Name:EPHEDRINE SULFATE

CAS:134-

72-5  
RTECS #:KB2625000  
Fraction by Wt: 0.5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM CITRATE  
CAS:68-04-2  
RTECS #:GE8300000  
Fraction by Wt: 0.29%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CITRIC ACID  
CAS:77-92-9  
RTECS #:GE7350000  
Fraction by Wt: 0.05%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM CHLORIDE  
CAS:7647-14-5  
RTECS #:VZ4725000  
Fraction by Wt: 0.69%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Other REC Limits:NONE RECOMME  
NDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 600 MG/KG.  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- THIS PRODUCT IS INTENDED FOR  
THERAPEUTIC USE ONLY WHEN PRESCRIBED BY A PHYSICIAN. POTENTIAL  
ADVERSE REACTIONS FROM PRESCRIBED DOSES AND OVERDOSES ARE  
PRESCRIBED IN THE PACKAGE INSERT. OCCUPATIO NAL EXPOSURE HAS NOT  
  
BEEN FULLY INVESTIGATED. CHRONIC- NOT KNOWN  
Effects of Overexposure:EYE, SKIN AND RESPIRATORY TRACT IRRITATION  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE  
MORE SUSCEPTIBLE TO THIS MATERIAL.

===== First Aid Measures =====

First Aid:CONSULT PHYSICIAN IF SYMPTOMS PERSIST. EYE/SKIN:FLUSH WITH  
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALATION:REMOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. INGESTION:FLUSH MOUTH OUT

WITH  
WATER IMMEDIATELY. SEEK MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:CC  
Flash Point:>200F,>93C  
Extinguishing Media:WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.  
WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.  
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:MAY EMIT TOXIC FUMES OF NOX, SOX AND  
SULFURIC ACID.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. USE ABSORBENT  
TOWELS OR BOOMS TO CLEAN-UP SPILL. WIPE SURFACES CLEAN AND WASH  
WITH SOAP AND WATER.  
Neutralizing Agent:WEAK BASE

===== Handling and Storage =====

Handling and Storage Precautions:AS A GENERAL RULE, WHEN HANDLING  
PHARMACEUTICAL PRODUCTS, AVOID ALL CONTACT AND INHALATION OF DUST,  
FUME, MISTS AND/OR VAPORS ASSOCIATED WITH PRODUCT.  
Other Precautions:KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WITH SATISFACTORY VENTILATION, RESPIRATORY  
PROTECTION NOT USUALLY REQUIRED.  
Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS USUALLY  
SATISFACTORY. USE LOCAL EXHAUST VENTILATION WHEN NECESSARY.  
Protective Gloves:DISPOSABLE LATEX RECOMMENDED  
Eye Protection:SAFETY GOGGLES/GLASSES RECOMMENDED  
Other Protective Equipment:EYE WASH  
STATION, DISPOSABLE GARMENTS IF  
DIRECT CONTACT IS ANTICIPATED.  
Work Hygienic Practices:PRACTICE GOOD HYGIENIC PROCEDURE.  
Supplemental Safety and Health  
FLASH POINT IS ESTIMATED.

===== Physical/Chemical Properties =====

HCC:N1  
Boiling Pt:B.P. Text:NOT KNOWN  
Melt/Freeze Pt:M.P/F.P Text:473F,245C  
Vapor Pres:NOT KNOWN  
Vapor Density:14.78  
Spec Gravity:NOT KNOWN  
pH:4.5-7  
Evaporation Rate & Reference:NOT KNOWN  
Solubility in Water:SOLUBLE  
Appearance and Odor:CLEAR,

COLORLESS, ODORLESS SOLUTION

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG BASES

Stability Condition to Avoid: EXPOSURE TO LIGHT MAY CAUSE DECOMPOSITION.

Hazardous Decomposition Products: MAY EMIT TOXIC FUMES OF NOX, SOX AND  
SULFURIC ACID.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS.

Disclaimer (p

rovided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.