

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.

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rovided with this information by the compiling agencies):

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