

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Schering-Plough Security Control (908)820-6921

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Chemtrec (800)424-9300

PRODUCT NAME: CELESTONE SOLUSPAN INJECTABLE SUSPENSION

PRODUCT CODE: 0566-05

CHEMICAL FAMILY: N/A

CHEMICAL FORMULA: N/A

SYNONYMS: NDC # 0085-0566-05

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Betamethasone Acetate

CAS NUMBER: 987-24-6

PEL None established.

TLV None established.

INGREDIENT: Water

CAS NUMBER: 7732-18-5

PEL None established.

TLV None established.

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### 3. HAZARDS IDENTIFICATION

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#### POTENTIAL HEALTH EFFECTS

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##### EYES

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This product contains materials which undiluted cause the following effects upon eye contact: Irritating to the eyes.

##### SKIN

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This product contains materials which undiluted cause the following effects upon skin contact: Irritating to the skin. May cause sensitization and/or allergic reactions to the skin.

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### 3. HAZARDS IDENTIFICATION - Continued

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#### INGESTION

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This product contains materials which undiluted cause the following effects upon ingestion: May produce responses in sensitive individuals.

#### INHALATION

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This product contains materials which undiluted cause the following effects upon inhalation: May produce responses in sensitive individuals.

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### 4. FIRST AID MEASURES

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#### EYES

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Flush with water for at least 15 minutes. Obtain medical attention.

#### SKIN

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Remove contaminated clothing. Thoroughly wash exposed area with soap and water. Obtain medical attention.

INGESTION

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Give copious amounts of water and induce vomiting, if conscious. Obtain medical attention.

INHALATION

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Remove from exposure. If not breathing, give artificial respiration. Obtain medical attention.

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5. FIRE FIGHTING MEASURES

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FLAMMABLE PROPERTIES

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FLASH POINT: > 200 F  
AUTOIGNITION: N/A F  
LOWER EXPLOSIVE LIMIT (%): N/A  
UPPER EXPLOSIVE LIMIT (%): N/A

FIRE AND EXPLOSION HAZARDS

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Under normal conditions of use this material does not present a significant fire or explosion hazard.

EXTINGUISHING MEDIA

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Water, water spray, CO 2, dry chemical.

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5. FIRE FIGHTING MEASURES - Continued

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FIRE FIGHTING INSTRUCTIONS

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Fight fire from safe distance or protected location. Use water spray to keep exposed containers and equipment cool. Wear full protective clothing and self contained breathing apparatus (SCBA).

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6. ACCIDENTAL RELEASE MEASURES

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Notify your supervisor immediately, Minimize contact with spilled material, Keep other personnel away from the clean up area. Wear appropriate respiratory protection and protective clothing in the spill area as specified in Section #8. Squeegee, scoop, absorb or use a vacuum to clean up spill. Clean area with an alkaline cleaner/detergent. Dispose of spilled material and clean up materials as noted in Waste Disposal Methods below.

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## 7. HANDLING AND STORAGE

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### HANDLING AND STORAGE PRECAUTIONS

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Protect form light.

Store in a cool, dry, well ventilated area.

### WORK/HYGIENIC PRACTICES

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Train employees concerning hazards and precautions. Provide adequate local exhaust ventilation. Wash hands and forearms after each use. Use indicated protective equipment while handling. Change respirator cartridge after four hours of continuous use or upon detection of odor, an increase in breathing resistance or eye or nasal irritation.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS

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None for consumer package, provide adequate local exhaust ventilation for use of the material in bulk.

### EYE/FACE PROTECTION

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None for consumer package, safety glasses with side shields for use of the material in bulk.

### SKIN PROTECTION

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None for consumer package, A lab coat or uniform, and latex gloves should be used to handle the material in bulk.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued

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RESPIRATORY PROTECTION

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None for consumer package, a half mask respirator with organic vapor/acid gas/ high efficiency cartridges may be used for handling the material in bulk.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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BASIC PHYSICAL PROPERTIES

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BOILING POINT: N/A F  
MELTING POINT: N/A F  
VAPOR PRESSURE: N/A  
VAPOR DENSITY (AIR=1): N/A  
SPECIFIC GRAVITY: N/A  
SOLUBILITY (H2O): N/A  
PERCENT VOLATILES: N/A  
EVAPORATION RATE: N/A

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10. STABILITY AND REACTIVITY

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STABILITY: Stable.

CONDITIONS TO AVOID (STABILITY)

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Avoid open flame and high temperatures.

INCOMPATIBLE MATERIALS

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Oxidizers, Strong Acids and Bases.

HAZARDOUS DECOMPOSITION PRODUCTS

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CO, CO2

HAZARDOUS POLYMERIZATION: Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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### MISCELLANEOUS TOXICOLOGICAL INFORMATION

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May produce responses in sensitive individuals or those currently or previously taking other corticosteroids.

Corticosteroids are generally teratogenic in animal studies.

Prolonged exposure to corticosteroids may produce posterior subcapsular cataracts, glaucoma with possible damage to the optic nerves, and may enhance the establishment of secondary ocular infections due to fungi or viruses.

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## 11. TOXICOLOGICAL INFORMATION - Continued

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### MISCELLANEOUS TOXICOLOGICAL INFORMATION - Continued

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High exposures of hydrocortisone or cortisone can cause elevation of blood pressure, salt and water retention, and increased excretion of potassium. All corticosteroids increase calcium excretion.

Corticosteroids may mask some signs of infection, and new infections may appear with exposure. There may be decreased resistance and ability to localize infection following corticosteroid exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

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Corticosteroid exposure may lead to tuberculosis or tuberculin reactivity.

There is an enhanced effect of corticosteroids on those with hypothyroidism and in those with cirrhosis.

Corticosteroids may cause possible corneal perforation in those with ocular herpes simplex.

Psychic derangements may appear following exposure ranging from euphoria, insomnia, mood swings, personality changes, and severe depression to frank psychotic manifestations. Also emotional instability or psychotic

tendencies may be aggravated by corticosteroids.

Corticosteroid exposure may adversely affect individuals with non-specific ulcerative colitis, diverticulitis, ulcers, renal insufficiencies, hypertension, osteoporosis or myasthenia gravis.

Following corticosteroid exposure, one should not be vaccinated against small pox and should not undergo other immunization procedures.

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12. ECOLOGICAL INFORMATION  
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ECOTOXICOLOGICAL INFORMATION  
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Not available.

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13. DISPOSAL CONSIDERATIONS  
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While not a RCRA hazardous waste, material should be disposed in an environmentally sound manner. Incineration is the preferred disposal method.

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14. TRANSPORT INFORMATION  
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PROPER SHIPPING NAME: Not regulated.

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15. REGULATORY INFORMATION  
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EUROPEAN (ECC) REGULATORY INFORMATION  
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The product is not subject to identification regulations according to directives on hazardous materials.

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16. OTHER INFORMATION  
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Hazard Rating - HEALTH: 1 Slight  
- FIRE: 1 Slight  
- REACTIVITY: 0 Negligible

SPECIAL HAZARDS: Anti-inflammatory

SUPERCEDES MSDS DATED: 02/24/00

#### REVISION SUMMARY

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Since 02/24/00 this MSDS has been revised in the following sections:

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
2. COMPOSITION/INFORMATION ON INGREDIENTS
12. ECOLOGICAL INFORMATION
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION

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Schering Corporation