

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Acyclovir Sodium Injection Product Name: Manufacturer Name: Fresenius Kabi USA, LLC Address: Three Corporate Drive Lake Zurich, Illinois 60047

General Phone Number: Customer Service Phone

Number:

(847) 550-2300 (888) 386-1300

Health Issues Information: (800) 551-7176 SDS Creation Date: January 08, 2009 June 01, 2015 SDS Revision Date:

(M)SDS Format:

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Pictograms:







Signal Word: DANGER.

GHS Class: Serious Eye Damage. Category 1.

Skin corrosion. Category 1.
Respiratory sensitisation. Category 1.

Skin Sensitization. Category 1. Reproductive toxicity. Effects on or via lactation.

Hazard Statements: Causes serious eye damage.

Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction. May cause harm to breast-fed children.

Precautionary Statements: Obtain special instructions before use.

Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy and while nursing. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

In case of inadequate ventilation wear respiratory protection. IF SWALLOWED: Rinse mouth. Do not induce vomiting.

IF ON SKIN: Wash with plenty of water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Immediately call a POISON CENTER or doctor/physician. Specific treatment (see ... on this label).

If skin irritation or rash occurs: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Take off contaminated clothing and wash it before reuse.

Wash contaminated clothing before reuse.

Store locked up.
Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

This product is intended for therapeutic use only when prescribed by a physician. Potential adverse Emergency Overview:

reactions from prescribed doses and overdoses are described in the package insert.

Route of Exposure: Inhalation Ingestion Eve contact Skin Absorption, Injection,

Potential Health Effects:

Eve: Contact with eves may cause irritation.

May cause skin irritation. Urticaria, erythema, edema and vesicles have been seen after the rapeutic administration of 5% acyclovir cream and intravenous acyclovir. Skin:

Inhalation: May cause irritation of respiratory tract.

Ingestion: May cause irritation.

Potential adverse reactions from prescribed doses are described in the package insert and include: renal insufficiency/failure, acyclovir crystaluria, neurologic effects (lethargy or coma), myoclonus, agitation, and tremor. Occupational exposure has not been fully investigated. Signs/Symptoms:

Aggravation of Pre-Existing

Individuals with hypersensitivity to acyclovir or valacyclovir.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Acyclovir Sodium Injection Fresenius Kabi USA, LLC Revision: 06/01/2015 Page 1 of 4 Chemical Name CAS# **Ingredient Percent** EC Num. 59277-89-3 Acyclovir Sodium - % 7732-18-5 Water for Injection

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of

the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing

contaminated clothing and shoes.

Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Seek immediate medical attention.

Ingestion: If conscious, flush mouth out with water immediately. Call a physician or poison control center

immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give

anything by mouth to an unconscious person.

Other First Aid: For Adverse Event Information, please call (800) 551-7176.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Not established. Flash Point Method: Not established Auto Ignition Temperature: Not established Lower Flammable/Explosive Limit: Not established. Upper Flammable/Explosive Limit: Not established.

Fire Fighting Instructions:

Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible,

contain fire run-off water.

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires

Use extinguishing measures that are appropriate to local circumstances and the surrounding

As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Protective Equipment:

Hazardous Combustion

Byproducts:

Storage:

Thermal decomposition products may include smoke and toxic fumes. Oxides of carbon, oxides of nitrogen and other organic substances may be formed. Other undetermined low molecular weight hydrocarbon compounds may be released in small quantities depending upon specific conditions of combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personnel Precautions: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Avoid personal contact and breathing vapors or mists. Use proper personal protective equipment as listed in Section 8.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

Methods for containment: Contain spills with an inert absorbent material such as soil, sand or oil dry.

Methods for cleanup: Absorb spill with inert material (e,g., dry sand or earth), then place in a chemical waste container. After removal, flush spill area with soap and water to remove trace residue.

SECTION 7: HANDLING and STORAGE

Handling: When handling pharmaceutical products, avoid all contact and inhalation of vapor, mists and/or fumes. Use with adequate ventilation. Use only in accordance with directions.

Store at controlled room temperature 20 to 25°C (68 to 77°F). [See USP Controlled Room Temperature]

Work Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: General ventilation is sufficient if this product is being used in a controlled medical setting (clinic, hospital, medical office) for its sole intended parenteral (injection) purpose. Otherwise, use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls

including use of a biosafety cabinet / fume hood to control airborne levels below recommended

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exposure limits.

Eve/Face Protection: Chemical splash goggles. Wear a face shield also when splash hazard exist.

Skin Protection Description: Protective laboratory coat, apron, or disposable garment recommended.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

Nitrile rubber or natural rubber gloves are recommended.

Respiratory Protection:

No personal respiratory protective equipment is normally required when this product is being used/administered by a licensed healthcare practitioner (i.e. an end-user such as a clinician / doctor / nurse) for its sole intended parenteral (injection) purpose in a controlled medical setting. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances. Consult the NIOSH web site (http://www.cdc.gov/niosh/npptl/topics/respirators/) for a list of respirator types and approved suppliers.

Other Protective: Consult with local procedures for selection, training, inspection and maintenance of the personal

EXPOSURE GUIDELINES

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Liquid solution. Physical State: **Boiling Point:** Not established. Melting Point: Not established.

Solubility: > 100 mg/mlin water.(25 °C)

Vapor Density: Not established. Vapor Pressure: Not established. Percent Volatile: Not established. 10.85 to 11.50

Molecular Formula: Mixture 247.19 Molecular Weight:

Flash Point: Not established. Not established. Flash Point Method: Auto Ignition Temperature: Not established.

SECTION 10: STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Hazardous Polymerization: Not reported.

Conditions to Avoid: Parabens will cause precipitation.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Nausea, vomiting, fever and diarrhea. Diffuse urticaria was observed 15 minutes after intravenous acyclovir infusion in an acyclovir-sensitive patient.

Acyclovir Sodium :

IARC: IARC: Group 3: Unclassifiable as to carcinogenicity to humans.

Nausea, vomiting, fever and diarrhea. Diffuse urticaria was observed 15 minutes after intravenous acyclovir infusion in an acyclovir-sensitive patient. Acute Effects:

Skin: $Urticaria,\ erythema,\ edema\ and\ vesicles\ have\ been\ seen\ after\ the rapeutic\ administration\ of\ 5\%$

acyclovir cream and intravenous acyclovir.

Chronic Effects: Allergic dermatitis, hallucinations, and obstructive nephropathy.

Acyclovir Sodium:

RTECS Number: UP0791400

Oral - Rat LD50: >20 gm/kg [Details of toxic effects not reported other than lethal dose value] Ingestion:

Oral - Mouse LD50: >10 gm/kg [Details of toxic effects not reported other than lethal dose value]

Intravenous. - Rat LD50: 750 mg/kg [Details of toxic effects not reported other than lethal dose value] Intravenous. - Mouse LD50: 400 mg/kg [Details of toxic effects not reported other than lethal dose Other Toxicological Information:

value1

Subcutaneous - Rat LD50: 620 mg/kg [Details of toxic effects not reported other than lethal dose

value] Subcutaneous - Mouse LD50: 1118 mg/kg [Details of toxic effects not reported other than lethal dose

value1

Subcutaneous - Mouse TDLo: 2400 mg/kg/8W (intermittent) [Reproductive - Tumorigenic effects -

uterine tumors Reproductive - Tumorigenic effects - other reproductive system tumors Tumorigenic -

active as anti-cancer agent]
Subcutaneous - Rat Micronucleus test: 350 mg/kg/20D
Subcutaneous - Rat TDLo: 100 mg/kg [Reproductive - Specific Developmental Abnormalities - musculoskeletal system Reproductive - Effects on Newborn - weaning or lactation index (e.g., number

alive at weaning per number alive at day 4)]
Subcutaneous - Rat TDLo: 200 mg/kg [Reproductive - Specific Developmental Abnormalities

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craniofacial (including nose and tongue)]
Subcutaneous - Rat TDLo: 400 mg/kg [Reproductive - Effects on Embryo or Fetus - fetotoxicity (except death, e.g., stunted fetus)]
Subcutaneous - Rat TDLo: 1200 mg/kg [Reproductive - Maternal Effects - other effects Reproductive - Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants) Reproductive - Effects on Embryo or Fetus - fetotoxicity (except death, e.g., stunted fetus)]
Intraperitoneal. - Rat LD50: 860 mg/kg [Details of toxic effects not reported other than lethal dose

value]
Intraperitoneal. - Mouse LD50: 724 mg/kg [Details of toxic effects not reported other than lethal dose

value]
Intraperitoneal. - Rat TDLo: 250 mg/kg/5D (intermittent) [Kidney/Ureter/Bladder - changes primarily in Intrapertioneal. - Rat Tobo: 250 mg/kg/3D (intermittent) [Ridney/Oreter/Bladder - changes primarily in glomeruli Kidney/Ureter/Bladder - urine volume increased Nutritional and Gross Metabolic - weight loss or decreased weight gain]

Intraperitoneal. - Mouse TDLo: 700 mg/kg/16D (intermittent) [Lungs, Thorax, or Respiration - tumors Tumorigenic - protects against induction of experimental tumors Tumorigenic - active as anti-cancer

agent]

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

No environmental information found for this product. Environmental Stability:

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated. DOT UN Number: Not Regulated.

SECTION 15: REGULATORY INFORMATION

Acyclovir Sodium :

EINECS Number: 261-685-1 Canada DSL: Listed

Water for Injection:

TSCA Inventory Status: Listed Canada DSL: Listed

SECTION 16: ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: HMIS Fire Hazard: 1 HMIS Reactivity: 1 HMIS Personal Protection: Х

SDS Creation Date: January 08, 2009 June 01, 2015 SDS Revision Date:

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Disclaimer:

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