

Section 1: Identification

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| Common Name/Trade Name | ACYCLOVIR USP | |
| Supplier Information | Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 | IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) |
| Distributor Name | Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au | |
| Product Synonym(s) | 9-[(2-Hydroxyethoxy)methyl]guanine; 2-amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one | |
| Relevant Use(s) of Product | Manufacture or Compounding of Substances | |

Section 2: Hazards Identification

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| Classification of Substance or Mixture | Serious eye damage/eye irritation Category 2B | |
| Signal Word | Warning | |
| Hazard Statement(s) | H320 | Causes eye irritation |
| Pictogram(s) | N/A | |
| Precautionary Statement(s) | P264 P305+P351+P338 P337+P313 | Wash hands thoroughly after handling. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. If eye irritation persists Get medical advice/attention. |
| Hazards Not Otherwise Classified | No data available | |
| Ingredient(s) with Unknown Toxicity | No data Available | |

Section 3: Composition/Information on Ingredients

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| Chemical Name | 9-[(2-Hydroxyethoxy)methyl]guanine; 2-amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one |
| Common Name | Acyclovir |
| CAS Number | 59277-89-3 |
| Impurities and/or Stabilizing Additives | No data available |

Section 4: First Aid Measures

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| General Advice | Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed healthcare provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. |
| If Inhaled | Move to fresh air. Call a physician if symptoms develop or persist. |
| In Case of Skin Contact | Rinse skin with water/shower. Get medical attention if irritation develops and persists. |
| In Case of Eye Contact | Rinse with water. Get medical attention if irritation develops and persists. |
| If Swallowed | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. |
| Most Important Symptoms and Effects | Irritation of eyes and mucous membranes. Treatment of overdose should be symptomatic and supportive and may include the following: Provide adequate hydration to prevent precipitation of acyclovir in the renal tubules. Administer activated charcoal as a slurry. Monitor for abnormal renal function, elevated hepatic enzymes, and significant CNS symptoms. Hemodialysis may aid in the removal of acyclovir from the blood. Peritoneal dialysis is not effective in providing acyclovir clearance. [Meditext 2008 and USP DI 2008]. |

Section 5: Fire Fighting Measures

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| Suitable Extinguishing Media | Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO2. |
| Special Hazards Arising From the Substance/Mixture | Explosion hazard: Avoid generating dust, fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. No unusual fire or explosion hazard noted. |

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| Special PPE and/or Precautions for Firefighters | Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials. |
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Section 6: Accidental Release Measures

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| Personal Precautions, Protective Equipment and Emergency Procedures | Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment. |
| Methods and Materials Used for Containment | Keeping away from drains, surface, and ground water. |
| Cleanup Procedures | Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination. |

Section 7: Handling and Storage

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| Precautions for Safe Handling | As a general rule, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. |
| Conditions for Safe Storage | Keep container tightly closed. Protect from light and moisture. Store at room temperature. |

Section 8: Exposure Controls/Personal Protection

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| Components with Workplace Control Parameters | Exposure limit values: Type: TWA Value: 5mg/m3. No biological exposure limit values noted for the ingredient. |
| Appropriate Engineering Controls | Airborne exposure should be controlled primarily by engineering controls such as a general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures. Handle in accordance with good industrial hygiene and safety practice. |
| PPE - Eye/Face Protection | Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z 87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area. |
| PPE - Skin Protection | Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy. |
| PPE - Body Protection | For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination. |
| PPE - Respiratory Protection | Where respirators are deemed necessary to reduce or control occupational exposures, use an approved/certified respirator. |

Section 9: Physical and Chemical Properties

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| Appearance | White to off-white crystalline powder |
| Upper/Lower Flammability or Explosive Limits | Not available. |
| Odor | Odorless. Not available. |
| Vapor Pressure | < 0.0000001 kPa at 25°C |
| Odor Threshold | Not available |
| Vapor Density | Not available |
| pH | 6.8-7 (10%) Not available. |
| Relative Density | Not available |
| Melting Point/Freezing Point | 256-257°C (decomposes) |
| Solubility | Very slightly soluble in cold water, ethanol. |
| Initial Boiling Point and Boiling Range | Not available. |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Flammability (Solid, Gas) | Not available |
| Partition Coefficient | -1.56 |
| Auto-Ignition Temperature | Not available |

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| Decomposition Temperature | Not available |
| Viscosity | Not available |
| Section 10: Stability and Reactivity | |
| Reactivity | No reactivity hazards known. |
| Chemical Stability | Material is stable under normal conditions. |
| Possibility of Hazardous Reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to Avoid | None known. |
| Incompatible Materials | Strong oxidizing agents |
| Hazardous Decomposition Products | NOx. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. |

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| Section 11: Toxicological Information | |
| Acute Toxicity - LD50 Oral | LD50 Oral - rat - > 20,000 mg/kg LD50 Oral mouse > 10000 mg/kg, |
| Acute Toxicity - Inhalation | LC50 Inhalation >15.1 mg/l. |
| Acute Toxicity - Dermal | No data available |
| Acute Toxicity - Eye | Causes eye irritation. |
| Skin Corrosion/Irritation | Based on available data, the classification criteria are not met. |
| Serious Eye Damage/Irritation | Causes eye irritation. |
| Respiratory or Skin Sensitization | Due to lack of data the classification is not possible. |
| Germ Cell Mutagenicity | Based on available data, the classification criteria are not met. Chinese hamster cells: Clastogenic. Chinese hamster ovary cell assays: Negative. Dominant lethal study in mice: Negative. Human lymphocyte cytogenic analysis: Positive. Microbial assays: Negative. |
| Carcinogenicity IARC | Based on available data, the classification criteria are not met. IARC Group 3: this material is not classifiable as to its carcinogenicity in humans. Not considered to be a carcinogen by IARC. |
| Carcinogenicity ACGIH | No data available. |
| Carcinogenicity NTP | Not considered to be a carcinogen by NTP. |
| Carcinogenicity OSHA | Not considered to be a carcinogen by OSHA. |
| Reproductive Toxicity | Based on available data, the classification criteria are not met. 450 mg/kg day Reproductive study: no increase in birth defects in offspring; did not impair fertility. Species Mouse. 50 mg/kg/day Reproductive study: Result: No increase in birth defects in offspring. Species Rabbit. 50mg/kg/day Reproductive study. Result No increase in birth defects in offspring. Species Rat. 50mg/kg/day Reproductive study: Result Significant decrease in implantation efficiency, but no decrease in litter size. Species Rabbit. |
| Specific Target Organ Toxicity - Single Exposure | Based on available data, the classification criteria are not met. |
| Specific Target Organ Toxicity - Repeated Exposure | Based on available data, the classification criteria are not met. |
| Aspiration Hazard | Based on available data, the classification criteria are not met. |

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| Section 12: Ecological Information | |
| Toxicity | No ecotoxicity data noted for the ingredient. |
| Persistence and Degradability | No data is available on the degradability of this product. |
| Bio-accumulative Potential | Not available |
| Mobility in Soil | Not available. |
| Other Adverse Effects | Not available. |

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| Section 13: Disposal Considerations | |
| Waste Treatment Methods Product | General: Dispose of this material and its container at hazardous or special waste collection point. |
| Waste Treatment Methods Packaging | Dispose in a safe manner in accordance with local/national regulations. |
| Special Precautions Landfill or Incinerations | No data available |
| Other Information | No data available |

Section 14: Transport Information

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| UN Number | Not dangerous goods. |
| UN Proper Shipping Name | N/A |
| Transport Hazard Class(es) | N/A |
| Packaging Group | N/A |
| Environmental Hazards | N/A |

Section 15: Regulatory Information

US federal and state regulations: CERCLA/SARA Hazardous Substances - Not applicable. One or more components are not listed on TSCA. Superfund Amendments and Reauthorization Act of 1986 (SARA): Hazard categories: Immediate Hazard - Yes. Delayed Hazard - No. Fire Hazard - Yes. Pressure Hazard - No. Reactivity Hazard - No. SARA 302 Extremely hazardous substance: No. SARA 311/312 Hazardous chemical: No. Other federal regulations: Safe Drinking Water Act (SDWA): Not regulated. US state regulations: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. International Inventories: Australia Inventory of Chemical Substances (AICS) On Inventory- Yes. Canada: Domestic Substances List (DSL) On Inventory- Yes. Canada Non-Domestic Substances List (NDSL) On Inventory No. China Inventory of Existing Chemical Substances in China (IECSC)- Yes. Europe European Inventory of Existing commercial Chemical Substances (EINECS) Yes. Europe- European List of Notified Chemical Substances (ELINCS) No. Japan Inventory of Existing and New Chemical Substances (ENCS) No. Korea Existing Chemicals List (ECL) Yes. New Zealand New Zealand Inventory Yes. Philippines: Philippine Inventory of Chemicals and Chemical substances (PICCS) No. United States & Puerto Rico: Toxic Substances Control Act (TSCA) Inventory No. A Yes indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16: Other Information

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| Additional Information | N/A |
| Prepared By | Scarlotte Smith |
| Revision Date | 06/23/2020 14:09 |

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