

Safety Data Sheet

Section 1. Identification

Common/Trade name : Apo-Abacavir; Abacavir Tablets USP

Recommended use : Pharmaceutical industry: Dosage form.
Therapeutic category: Antiviral

This Safety Data Sheet has been provided to inform workers of the safety, health and environmental information associated with this product. It is to be used by people handling the material within the workplace only. It is not meant for patients taking the medication. Patients should consult with their physician, pharmacist or the information provided on the label or on the insert.

Recommended restrictions : No other uses are advised.

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+1 703-527-3887 (24 hours)
For general information call:
1-(416)-749-9300

Section 2. Hazards Identification

Classification of the substance or mixture : GERM CELL MUTAGENICITY - Category 2
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION (Unborn child) - Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H361 - Suspected of damaging the unborn child.
H341 - Suspected of causing genetic defects.
H351 - Suspected of causing cancer.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response : If exposed or concerned: Get medical attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Section 3. Composition/Information on Ingredients

Name	CAS #	%
Abacavir sulfate	188062-50-2	60-100
Magnesium stearate	557-04-0	1 - 5

All other components are either non-hazardous or the concentrations are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication standard 29 CFR 1910.1200, and the European Directive 91/155/EEC, and 93/112/EC and the Hazardous Product Regulations under item 3(2) of Schedule I.

Chemical name : Not available.

Synonyms : Abacavir Tablets USP (as abacavir sulfate)

Chemical family : Synthetic carbocyclic nucleoside analogue

Molecular weight : Not applicable.

Chemical formula : Not applicable.

Section 4. First Aid Measures

Eye contact : Flush with copious quantities of water. If irritation persists, obtain medical advice.

Skin contact : Flush with copious amounts of water. Seek medical attention if irritation persist

Inhalation : Remove from exposure. Persons developing serious hypersensitivity reactions must receive immediate medical attention. If not breathing give artificial respiration. If breathing is difficult give oxygen.

Ingestion : Never give anything by mouth if victim is losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should begin artificial respiration, or if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Seek medical attention.

Potential acute and delayed health effects : Refer to Sec. 11

Section 5. Fire Fighting Measures

Specific hazard arising from the chemical : During fire, gases hazardous to health may be formed.

Suitable extinguishing media and special protective equipment for firefighters : Extinguisher media: water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
Special fire fighting procedures: As with all fires, evacuate personnel to safe area. Firefighters should use self-contained breathing equipment and protective clothing.

Section 6. Accidental Release Measures

Methods and materials for containment and cleaning up : Cordon off spill area as needed. Assess hazard levels (contact Safety Department if required). Contain and clean up spillage and place into an appropriate labeled waste disposal container. Avoid generating dust or aerosols. Wash spill surface using appropriate cleaning solutions. Should clothing be contaminated, wash before reuse.

Protective equipment and personal precautions : Personnel involved in clean up should wear appropriate personal protective equipment (refer to section 8) to avoid exposure.

Section 7. Handling and Storage

- Precautions for safe handling** : Handle in an environment with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory protection. Avoid inhalation, skin and eye contact. Wash hands thoroughly after handling.
- Conditions for safe storage** : Store as directed by product packaging/manufacture's requirements.

Section 8. Exposure Controls/Personal Protection

- Engineering Controls** : Airborne exposure to this material should be mitigated using engineering controls such as mechanical ventilation, dilution and process enclosure. Ensure that control measures are designed to comply with occupational, environmental, fire and other applicable regulations. Local exhaust ventilation (e.g. fume hoods or other vented enclosures) is recommended, particularly for crushing, grinding or other activities prone to generating dust or aerosols.

Personal Protection : **For Manufacturing Environments:**

Skin: Covering uniform

Respiratory: Where respiratory protection has been deemed necessary use an approved air purifying respirator with appropriate cartridges. Contact your local safety professional for specific requirements.

Hand: Nitrile or other chemically compatible gloves.

Eye: Safety glasses

For all other environments (Laboratories, hospitals, pharmacies, etc.):

Skin: Lab coat

Respiratory: Under normal work conditions, the use of respiratory protective equipment is not expected to be required. If the physical state of the finished product is altered by crushing, grinding, breakage, generation of aerosols or for spill cleaning, an approved respirator may be required. Contact your local safety professional for specific requirements.

Hand: Nitrile or other chemically compatible gloves.

Eye: Safety glasses

- Occupational exposure limits** : Not established.

Section 9. Physical and Chemical Properties

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| Physical state and appearance | : Tablets. | | |
| pH | : Not available. | Odor | : Not available. |
| Melting point/Freezing point | : Not available. | Odor threshold | : Not available. |
| Boiling point | : Not available. | Conditions of instability | : No additional remark. |
| Volatility | : Not available. | Decomposition temperature | : Not available. |
| Specific gravity | : Not available. | Partition Coefficient: | : Not available. |
| Evaporation rate | : Not available. | Viscosity | : Not available. |
| Vapor density | : Not available. | Flash points | : Not available. |
| Relative density | : Not available. | Flammable limits | : Not available. |
| Vapor pressure | : Not available. | Autoignition temperature | : Not available. |

Flammability : Emits toxic fumes under fire conditions.

Solubility : Not available.

Section 10. Stability and Reactivity

Reactivity : Not available.

Chemical Stability : The product is stable.

Possibility of hazardous reactions : Not available.

Hazardous decomp. products : When heated to decomposition material emits toxic fumes.

Incompatible materials/ Conditions to avoid : Not available.

Section 11. Toxicological Information

Information on the likely routes of exposure : As the product is a solid dosage form, the major route of entry is ingestion. Other routes of entry, including inhalation, skin and eye contact may occur only under certain circumstances.

Toxicity data : Abacavir sulfate:

LD50: > 2000 mg/kg (oral-rat)
LD50: > 2000 mg/kg (dermal-rabbit)

Skin contact: may cause an allergic skin reaction.
Eye contact: causes serious eye irritation.
Eye irritation test/rabbit: severe

Draize test/rabbit/skin: negative

Delayed and immediate effects and also chronic effects from short and long term exposure : Carcinogenicity: Not listed as carcinogen by IARC, NTP, ACGIH, or OSHA. Carcinogenicity studies with orally administered abacavir in mice and rats showed an increase in the incidence of malignant and non-malignant tumours. Malignant tumours occurred in the preputial gland of males and the clitoral gland of females of both species, and in the liver, urinary bladder, lymph nodes and the subcutis of female rats.

Reproductive and Developmental Effects: Abacavir increased the incidence of adverse pregnancy outcome in rats at exposure levels much higher than those achieved in humans on therapy. Abacavir had no adverse effects on the mating performance or fertility of male and female rats at doses of up to 500 mg/kg per day.

Mutagenicity:
1000 mg/kg Micronucleus assay, Positive in males.
Chromosomal aberration, In vitro human lymphocytes: Positive.
Mutagenicity, Mouse lymphoma cell mutation assay, GLP assay: Positive

Remark

No additional remarks.

Symptoms related to the physical, chemical and toxicological characteristics : Side effects may include nausea (feeling of sickness), vomiting, lethargy (unusual lack of energy), fatigue, anorexia (loss of appetite), fever (high temperature), headache, diarrhea, hyperlactatemia (high blood lactate level) and skin rash (without any other illness).
A hypersensitivity reaction (serious allergic reaction) has been reported in patients who have been treated with APO-Abacavir.

Section 12. Ecological Information

Ecotoxicity : Not available.

Persistence and degradability : Not available.

Bioaccumulative potential : Not available.

Mobility in soil : Not available.

Other adverse effects : Not available.

Section 13. Disposal Considerations

Waste Disposal : Follow all appropriate safe work procedures and local regulations for disposal. Use only licensed disposal and waste hauling companies.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
TDG- road Canada/U.S.			Not regulated.		
ICAO/IATA			Not regulated.		
IMDG Class			Not regulated.		

Section 15. Regulatory Information

Canada Regulations : Not listed on the Domestic Substances List (DSL).

Other Regulations : Not available.

Section 16. Other Information

Revision date: 2/19/2019

Notice to Reader

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