

# **Safety Data Sheet**

#### Section 1. Identification

Common/Trade name

: Apo-Carbamazepine; Carbamazepine Tablets USP; Apo-Carbamazepine CR; Carbamazepine Controlled Release Tablets; Carbamazepine ER Capsules; Carbamazepine Extended-Release Capsules.

Recommended

Pharmaceutical industry: Dosage form

Therapeutic category: Analgesic; anticonvulsant; For Symptomatic Relief of Trigeminal Neuralgia

U.S.

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.

Supplier : Canada

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Emergency phone

: United States/Canada (Chemtrec) 1-800-424-9300 or

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

1-(416)-749-9300 ext. 8483 (8 AM-4 PM)

# Section 2. Hazards Identification

Classification of the substance or

mixture

: CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION (Fertility or the unborn child) - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

**GHS** label elements

Hazard pictograms



Signal word : Danger

**Hazard statements**: H360 - May damage fertility or the unborn child.

H351 - Suspected of causing cancer.

H373 - May cause damage to organs through prolonged or repeated exposure.

**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. Do not breathe dust.

**Response**: Get medical attention if you feel unwell. 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 : None known.

otherwise classified

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#### Section 3. Composition/Information on Ingredients CAS# % Carbamazepine 298-46-4 50-70 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 applicable.

**Synonyms** 

Not available.

Chemical family: Tricyclic iminostilbene derivative

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.

Refer to Sec. 11

**Potential acute** and delayed health effects

# Section 5. Fire Fighting Measures

arising from the chemical

**Specific hazard**: 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 selfcontained 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.

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# 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/manufacturer'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

**Physical state** and appearance : Tablets or capsules.

pH . Not available. Odor Not available.

**Melting point/ Freezing point**  Not available.

Not available. Odor threshold

**Boiling point** : Not available. **Conditions of** 

instability

No additional remark.

Not available. **Decompositon** Volatility

temperature

Not available.

Not available. **Specific gravity**  Not available. **Partition** 

Coefficient:

 Not available. Not available. **Viscosity** 

**Evaporation rate** Not available. Not applicable. Vapor density Flash points **Relative density**  Not available. Not available. Flammable limits:

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: Not available. Not available. Vapor pressure **Autoignition** 

temperature

: Emits toxic fumes under fire conditions. **Flammability** 

**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/

Protect from moisture.

Conditions to avoid

# 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** 

Carbamazepine:

LD50: 1957 mg/kg (oral-rat) LD50: 529 mg/kg (oral-mouse) LD50: 2680 mg/kg (dermal-rabbit) LC50: >2160 mg/m<sup>3</sup> (inhalation-rat)

Irritancy data: rabbit/eye: mild; rabbit/skin: non-irritant

**Delayed and** immediate effects and also chronic effects from short and long term exposure

Carcinogenicity: Not listed as a carcinogenic by NTP, IARC, OSHA. A dose-related increase in hepatocellular tumors and benign interstitial cell adenomas in the testes were reported in studies of SpragueDawley female and male rats, respectively, administered carbamazepine for 2 years.

Teratogenicity/Reproductive Toxicity: Pregnancy category: D. Craniofacial defects, fingernail hypoplasia, and developmental delays were found in a series of 35 patients whose mothers took only carbamazepine. Human and animal studies indicate that carbamazepine and its epoxide metabolite are found and excreted in breast milk and may affect the nursing child.

Mutagenicity: No mutagenic activity was noted with carbamazepine in bacterial and mammalian mutagenicity studies

Remark

No additional remark.

Symptoms related to the physical, chemical and toxicological characteristics

Adverse effects may include: hypersensitivity reactions, dystonic reactions, rashes, exacerbation and development of cardiac dysrhythmias, cytopenias, transaminitis, pancreatitis, and the manifestations of mild toxicity with chronic therapy.

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# **Section 12. Ecological Information**

**Ecotoxicity**: Carbamazepine:

EC50 (Daphnia): 92 mg/l 24 hours

LC50 (Zebra danio (Danio rerio)): 43 mg/l 96 hours

Persistence and degradability

Not available.

Bioaccumulative

Not available.

potential

: Not available.

Mobility in soil 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**

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

# Section 15. Regulatory Information

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

Regulations

Other Regulations : Not available.

#### **Section 16. Other Information**

**Revision date:** 11/28/2018

**Notice to Reader** 

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