

Section 1. Identification

Common/Trade : name	A	Apo-Ziprasidone; Ziprasidone Hydr	ochloride Capsules	
Recommended :		Pharmaceutical industry: Dosage form Pherapeutic category: Antipsychotic		
	a: m	ssociated with this product. It is to be used b	Safety Data Sheet has been provided to inform workers of the safety, health and environmental information ciated with this product. It is to be used by people handling the material within the workplace only. It is not not for patients taking the medication. Patients should consult with their physician, pharmacist or the information ded on the label or on the insert.	
Recommended : restrictions	N	lo other uses are advised.		
Supplier :	A 1: T M	50 Signet Drive 24 Foronto, Ontario Su M9L 1T9 We 16-749-9300 Te	S. otex Corp. 00 N. Commerce Parkway ite 400 eston, FLA 33326 lephone: (954)384-8007 II Free: 1-800-706-5575	
Emergency : phone	+ F	United States/Canada (Chemtrec) 1-800 1 703-527-3887 (24 hours) For general information call: -(416)-749-9300)-424-9300 or	
Section 2. Hazar	ds	Identification		
Classification of the substance or mixture	:	SKIN SENSITIZATION - Category 1B GERM CELL MUTAGENICITY - Category TOXIC TO REPRODUCTION (Fertility or the SPECIFIC TARGET ORGAN TOXICITY (F		
GHS label elements				
Hazard pictograms				
Signal word		Warning		
Hazard statements	:	H317 - May cause an allergic skin reaction H361 - Suspected of damaging fertility or th H341 - Suspected of causing genetic defect H373 - May cause damage to organs throut	ne unborn child.	
Precautionary state	em	<u>ents</u>		
General	:	Read label before use. Keep out of reach label at hand.	of children. If medical advice is needed, have product container or	
Prevention	:		not handle until all safety precautions have been read and understood. ired. Wear protective gloves. Do not breathe dust. Contaminated the workplace.	
Response	:		exposed or concerned: Get medical attention. IF ON SKIN: Wash aminated clothing before reuse. If skin irritation or rash occurs: Get	
Storage	:	Store locked up.		
Disposal	:	Dispose of contents and container in accor	dance with all local, regional, national and international regulations.	
Hazards not otherwise classified	: b	: None known.		

Continued on Next Page

Section 3. Composition/Information on Ingredients				
Name			CAS #	%
Ziprasidone hydrochloride			138982-67-9	10 - 30
		ner non-hazardous or the concentrations are below the regulatory threshold limits des CFR 1910.1200, and the European Directive 91/155/EEC, and 93/112/EC and the Ha		
Chemical name	:	Not applicable.		
Synonyms	:	Not available.		
Chemical family		Not available.		
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 be artificial respiration, or if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Seek medical attention.	0
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 **Conditions for**

safe storage

: 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.

Store as directed by product packaging/manufacturer's requirements.

Section 8. Exposure Controls/Personal Protection

Engineering 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, Controls 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

Not established.

Occupational exposure limits

Section 9. Physical and Chemical Properties

Physical state and appearance	: Capsules.	
рН	Not available.	Odor : Not available.
Melting point/ Freezing point	: Not available.	Odor threshold : Not available.
Boiling point	: Not available.	Conditions of : No additional remark. instability
Volatility	: Not available.	Decompositon : Not available. temperature
Specific gravity	: Not available.	Partition : Not available. Coefficient:
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 : Not available. temperature

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	:	Ziprasidone hydrochloride:
		Oral Rat: LD50: >2000 mg/kg Oral Mouse: LD50: >2000 mg/kg
		Irritancy Data: eye/rabbit: not irritating; skin/rabbit: not irritating Sensitization: guinea pig maximization test: positive
Delayed and immediate effects	:	Carcinogenicity: Not listed as carcinogen by IARC, NTP, ACGIH, or OSHA. Following chronic ziprasidone daily feedings of up to 5 times the recommended human dose, no evidence of increased incidence of tumors, compared to
and also chronic effects from short and long term		controls, was seen in rats or male mice. There were dose-related increases in incidences of pituitary gland adenoma and carcinoma, and mammary gland adenocarcinoma at all doses tested in female mice. These changes are considered to be prolactin-mediated. The relevance for human risk is unknown.
exposure		Reproductive and Developmental Effects: Third-trimester antipsychotic drug exposure has been associated with extrapyramidal and/or withdrawal symptoms in neonates. Developmental toxicity, including possible teratogenic effects, was reported in animal studies.
		Mutagenicity: A reproducible mutagenic response in the Ames assay in one strain of S. typhimurium in the absence of metabolic activation has been reported. Positive results were reported in both the in vitro mammalian cell gene mutation assay and the in vitro chromosomal aberration assay in human lymphocytes.
		Remark
		No additional remarks.
Symptoms related to the physical, chemical and toxicological characteristics	:	The following adverse effects have been noted with therapeutic use of this product: Common: (5% or greater): Somnolence, dizziness, lightheadedness, asthenia, extrapyramidal symptoms (eg, hypertonia, dystonia, dyskinesia, hypokinesia, tremor), nausea, vomiting, constipation, dyspepsia, dry mouth, headache, abnormal vision. Other: Insomnia, agitation, anxiety, rash, urticaria, prolonged QT, torsades de pointes, hypotension, tachycardia,
Chardeleristics		hypertension, oculogyric crisis, seizures, thrombocytopenia, leukopenia, elevated liver enzymes, neuroleptic malignant syndrome, and serotonin syndrome.

Page Number: 4

Apo-Ziprasidone; Ziprasidone Hydrochloride Capsules

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.		
ІСАО/ІАТА			Not regulated.		
IMDG Class			Not regulated.		
	I	I	Ι	I	

Section 15. Regulatory Information

Canada :

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

Regulations

Other Regulations : Not available.

Section 16. Other Information

Revision date: 2/12/2019

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