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# Safety Data Sheet acc. to OSHA HCS

Printing date 12/01/2020

Revision date 12/01/2020

I Identification	
· Product identifi	er
• Trade name: Ola • Synonym 2-methyl-4-(4-me LY170053	anzapine hyl-1-piperazinyl)-10H-thieno[2,3-b][1,5]benzodiazepine
<ul> <li>Article number:</li> <li>CAS Number: 132539-06-1</li> <li>EC number: 603-618-4</li> <li>Application of the</li> </ul>	11937 <b>he substance / the mixture</b> For research use only, not for human or veterinary use
Details of the su     Manufacturer/Second Cayman Chemic     1180 E. Ellsworth     Ann Arbor, MI 48     USA	al Co. 1 Rd.
· Emergency tele	artment: Product safety department phone number: pening times: +1 (734) 971-3335
US/CĂNADA: 80 Outside US/CAN	0-424-9300 ADA: 703-741-5970
US/CĂNADA: 80 Outside US/CAN 2 Hazard(s) ide • Classification o GHS07	0-424-9300 ADA: 703-741-5970 ntification f the substance or mixture
US/CĂNADA: 80 Outside US/CAN 2 Hazard(s) ide Classification o GHS07 Skin Irrit. 2 H31	0-424-9300 ADA: 703-741-5970 Intification f the substance or mixture
US/CĂNADA: 80 Outside US/CAN 2 Hazard(s) ide • Classification o • Classification o • GHS07 Skin Irrit. 2 H31 Eye Irrit. 2A H31 • Label elements • GHS label element	0-424-9300 ADA: 703-741-5970 Intification f the substance or mixture 5 Causes skin irritation. 9 Causes serious eye irritation. ents classified and labeled according to the Globally Harmonized System (GHS).
US/CĂNADA: 80 Outside US/CAN Classification o Classification o GHS07 Skin Irrit. 2 H31 Eye Irrit. 2A H31 Label elements GHS label elements The substance is	0-424-9300 ADA: 703-741-5970 Intification f the substance or mixture 5 Causes skin irritation. 9 Causes serious eye irritation. ents classified and labeled according to the Globally Harmonized System (GHS).
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US/CĂNADA: 80 Outside US/CAN Classification o Classification o GHS07 Skin Irrit. 2 H31 Eye Irrit. 2A H31 • Label elements • GHS label elements • Hazard pictogra GHS07 • Signal word Wa • Hazard stateme H315 Causes sk	0-424-9300 ADA: 703-741-5970 ntification f the substance or mixture 5 Causes skin irritation. 9 Causes serious eye irritation. ents classified and labeled according to the Globally Harmonized System (GHS). ms

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Precautionary statements     Week thereweek effort handling
Wash thoroughly after handling. Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
Specific treatment (see on this label).
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
If eye irritation persists: Get medical advice/attention.
· Classification system:
· NFPA ratings (scale 0 - 4)
Health = 2
Fire = 0
Reactivity = 0
· HMIS-ratings (scale 0 - 4)
HEALTH 2 Health = 2
FIRE 0 Fire = 0
REACTIVITY Reactivity = 0
· Other hazards
Results of PBT and vPvB assessment
• PBT: Not applicable.
· vPvB: Not applicable.
3 Composition/information on ingredients
· Chemical characterization: Substances
· CAS No. Description
132539-06-1 Olanzapine
· Identification number(s)

EC number: 603-618-4

### **4 First-aid measures**

- · Description of first aid measures
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects. No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

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### **5 Fire-fighting measures**

- · Extinguishing media
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment. A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

#### 6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.
   Protective Action Criteria for Chemicals
- Protective Action Criteria for Chemica
- PAC-1: Substance is not listed.
- **PAC-2:** Substance is not listed.
- **PAC-3:** Substance is not listed.

#### 7 Handling and storage

#### · Handling:

Precautions for safe handling

No special precautions are necessary if used correctly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure. Keep away from sources of ignition. Take precautionary measures against static discharge.re.

- Take precautionary measures against static discharge.re.
- · Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities Keep container tightly closed.
- Store in accordance with information listed on the product insert.
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.

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- Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- Breathing equipment: Not required.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

Information on basic physical and	chemical properties	
General Information		
Appearance:	Crystelling	
Form:	Crystalline	
Color:	Not determined.	
Odor:	Characteristic	
Structural Formula	C17H20N4S	
Molecular Weight	312.4 g/mol	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Product is not flammable.	
Decomposition temperature:	Not determined.	

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	(Contd. from page
· Auto igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
Density:	Not determined.
Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Not determined.
· Partition coefficient (n-octanol/w	vater): Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.

### **10 Stability and reactivity**

· Reactivity No further relevant information available.

- · Chemical stability
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: strong oxidizing agents
- · Hazardous decomposition products: carbon oxides, nitrogen oxides, sulfur oxides

### **11 Toxicological information**

· RTECS Number XJ9007750

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

Oral	TDLO	400 µg/kg (wmn)
	LDLO	7,067 µg/kg (man)
	TDLO	15 mg/kg (rat)
	Intraperitoneal TDLO	1 mg/kg (rat)
		COF

Subcutaneous TDLO 625 µg/kg (rat)

### Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

· on the eye: Irritating effect.

· Sensitization: No sensitizing effects known.

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- Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- NTP (National Toxicology Program) Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

## **12 Ecological information**

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · **Bioaccumulative potential** No further relevant information available.
- Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

### **13 Disposal considerations**

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

UN-Number		
DOT, IMDG, IATA	not regulated	
UN proper shipping name		
DOT, IMDG, IATA	not regulated	
Transport hazard class(es)		
DOT, ADN, IMDG, IATA		
Class	not regulated	
Packing group		
DOT, IMDG, IATA	not regulated	
Environmental hazards:	Not applicable.	

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• Special precautions for user	Not applicable.			
· Transport in bulk according to Annex II of				

MARPOL73/78 and the IBC Code Not applicable.

· UN "Model Regulation":

not regulated

### **15 Regulatory information**

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

- Section 355 (extremely hazardous substances): Substance is not listed.
- Section 313 (Specific toxic chemical listings): Substance is not listed.
- TSCA (Toxic Substances Control Act): Substance is not listed.
- · Hazardous Air Pollutants Substance is not listed.
- · Proposition 65
- Chemicals known to cause cancer: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value established by ACGIH) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

- · Contact: -
- · Date of preparation / last revision 12/01/2020 / -
- Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Skin Irrit. 2: Skin corrosion/irritation Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation Category 2A