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Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank  
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## Material Safety Data Sheet

| Section 1 : Chemical Product and Company information |   |
|--|---|
| Product Name   | Digoxin EP Impurity I   |
| CAS No.  | 5511-98-8   |
| Identified uses                                      | Pharmaceutical Reference Standard   |
| Details of the Supplier Company                      | Chemicea Pharmaceuticals Pvt Ltd,<br>2nd floor, A-205 Plot Number G-6, G-20 to G-24, Platinum Spring, Vavanje Panvel Road, Taloja MIDC, Navi Mumbai, Raigad, Maharashtra, 410208, Email- <a href="mailto:info@chemicea.com">info@chemicea.com</a><br>Mob- +91-92848979789 |
| Telephone  | +91-9284897978  |

| Section 2 : Chemical Information |   |
|----------------------------------|---|
| Chemical Name                    | (2R,3R,4S,6S)-6-(((2R,3S,4S,6S)-6-(((2R,3S,4S,6R)-6-(((3S,5R,8R,9S,10S,12R,13S,14S,17R)-12,14-dihydroxy-10,13-dimethyl-17-(5-oxo-2,5-dihydrofuran-3-yl)hexadecahydro-1H-cyclopenta[a]phenanthren-3-yl)oxy)-4-hydroxy-2-methyltetrahydro-2H-pyran-3-yl)oxy)-4-hydroxy-2-methyltetrahydro-2H-pyran-3-yl)oxy)-3-hydroxy-2-methyltetrahydro-2H-pyran-4-yl acetate |
| CAS No.                          | 5511-98-8   |
| CAT No.                          | CP-D1200008   |
| Synonyms                         | $\alpha$ -acetyldigoxin   |
| Molecular Weight                 | 823   |
| Molecular Formula                | C43H66O15   |

| Section 3 : Hazards Identification |     |
|------------------------------------|-----|
| <b>Emergency Overview:</b>         |     |
| Appearance                         |     |
| Target Organs                      | NA  |
| <b>Potential Health Effects:</b>   |     |
| Eye                                | NIL |
| Skin                               | NIL |
| Ingestion                          | NIL |

|            |     |
|------------|-----|
| Inhalation | NIL |
| Chronic    | NIL |

| Section 4 : First Aid Measures |  |
|--------------------------------|--|
| Eye                            | After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.   |
| Skin                           | Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately  |
| Swallowed                      | After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise. |
| Inhalation                     | Remove to fresh air, artificial respiration or oxygen if necessary.  |
| Notes to Physician             | Can be washed with plenty of water in case of any exposure   |

| Section 5 : Firefighting Measures  |   |
|------------------------------------|---|
| Extinguishing Media                | Carbon dioxide, dry chemical powder, foam, water. |
| Unusual Fire and Explosion Hazards | None indicated                                    |

| Section 6 : Accidental Release Measures |   |
|---|---|
| Personal Precautions                    | Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. |
| Spills/Leaks                            | Wash with plenty of water, provide adequate ventilation.  |
| Environmental precautions               | Do not let product enter drains.  |

| Section 7 : Handlings and Storage |   |
|-----------------------------------|---|
| Handling                          | Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. |
| Storage                           | Can be stored at room temperature   |

| Section 8 : Exposure Controls, Personal Protection |                                    |
|--|------------------------------------|
| Respiratory Protection                             | Self-contained breathing apparatus |
| Exposure Limits                                    | NA                                 |
| Eye Protection                                     | Wear safety goggles                |
| Other Protective Equipment                         | Protective clothing                |
| Skin   | Full sleeves apron                 |
| Clothing   | Cotton                             |

| Section 9 : Physical and Chemical Properties |                          |
|--|--------------------------|
| Appearance                                   |                          |
| Odor   | Odor less                |
| Melting Point                                | NA                       |
| pH   | Basic                    |
| Vapor Pressure                               | NA                       |
| Vapor Density                                | NA                       |
| Evaporation Rate                             | NA                       |
| Viscosity                                    | NA                       |
| Boiling Point                                | NA                       |
| Decomposition Temp                           | NA                       |
| Auto ignition Temp.                          | NA                       |
| Flash Point                                  | NA                       |
| NFPA Rating                                  | NA                       |
| Explosion Limits                             |                          |
| Lower  | NA                       |
| Upper  | NA                       |
| Solubility                                   | Soluble in Methanol/DMSO |
| Specific Gravity/Density                     | NA                       |

| Section 10 : Stability and Reactivity  |                         |
|--|-------------------------|
| Chemical Stability                     | Stable                  |
| Conditions to avoid                    | Direct contract to skin |
| Incompatibilities with other Materials | Keep away               |
| Hazardous Decomposition Products       | NIL                     |
| Hazardous Polymerization               | NIL                     |

| Section 11 : Toxicological Information |     |
|--|-----|
| CAS                                    | NA  |
| LD50/LC50                              | NA  |
| Carcinogenicity                        | NIL |
| Epidemiology                           | NIL |
| Teratogenicity                         | NIL |
| Reproductive Effects                   | NIL |
| Neurotoxicity                          | NIL |
| Mutagenicity                           | NIL |

|               |    |
|---------------|----|
| Other Studies | NA |
|---------------|----|

| Section 12 : Ecological Information |
|-------------------------------------|
| Data not available                  |

| Section 13 : Disposal Consideration |                    |
|-------------------------------------|--------------------|
| RCRA P-Series                       | Can be incinerated |
| RCRA U-Series                       | NA                 |

| Section 14 : Transport Consideration   |                           |
|--|---------------------------|
| UN-Number  |                           |
| ADR/RID:   | IMDG: IATA:               |
| UN proper shipping name  |                           |
| ADR/RID: Not dangerous goods<br>IMDG: Not dangerous goods<br>IATA: Not dangerous goods |                           |
| Transport hazard class (es)  |                           |
| ADR/RID:   | IMDG: IATA:               |
| Packaging Group  |                           |
| ADR/RID:   | IMDG: IATA:               |
| Environmental hazards  |                           |
| ADR/RID: No  | IMDG Marine pollutant: No |
| Special precautions for users  |                           |
| Further information  |                           |

| Section 15 : Regulatory Information |                                      |
|-------------------------------------|--------------------------------------|
| TSCA                                | Attached the letter                  |
| Health & Safety Reporting List      | No data available                    |
| Chemical Test Rules                 | Chemical analysis report is attached |

| Section 16 : Additional Information   |
|---|
| <p>This product is not bioactive, non-radioactive. It is for R&amp;D use only. Not for drug, household or other uses.</p> <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge. It does not represent any guarantee of the product.</p> |