Material Safety Data Sheet

| Section 1: Chemical Product Company Identification | |
|--|--|
| Product Name | Megestrol Acetate In-House Reference Standard |
| CAS No. | 595-33-5 |
| Identified uses | Pharmaceutical Reference Standard |
| Details of the Supplier Company | SynZeal Research Pvt Ltd Plot No. F, Ganesh Industrial Estate 423/24/8, MahagujaratInd Estate Sarkhej-Bavla Road, Ahmedabad-382 213. Gujarat, India. |
| Telephone | +91-7969225400 |

| Section 2: Chemical Information | |
|---------------------------------|--|
| Chemical Name | 6-Methyl-3,20-Dioxopregna-4,6-Dien-17-yl Acetate |
| CAS No. | 595-33-5 |
| Molecular Weight | 384.5 |
| Molecular Formula | C24H32O4 |

| Section 3: Hazards Identification | | |
|-----------------------------------|-------------|--|
| Emergency Overview: | | |
| Appearance | White Solid | |
| Target Organs | NA | |
| Potential Health Effects: | | |
| Eye | NIL | |
| Skin | NIL | |
| Ingestion | NIL | |
| Inhalation | NIL | |
| Chronic | NIL | |

| Section 4: First Aid Measures | |
|-------------------------------|---------------------------|
| Еуе | Wash with plenty of water |
| Skin | Wash with plenty of water |

| Infection Medical assistance for gastric lawage. Inhalation Remove to finab air, artificial respiration or oxygen if necessary. Notes to Physician Measures Section 5: Fireflytting Measures Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated ***Section 6: Accidental Release Measures ***Personal Precoutions Wear self-contained breathing apparatus, avoid dust formation. Spills/Leaks Wash with plenty of water, provide adequate ventilation. **Section 7: Handlings and Storage **Handling Wear surgical glows 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 Protactive Equipment Protection Clothing Cotton **Cotton * | Incastion | Modical assistance for sectoria laves - | | |
|--|---|--|--|--|
| Notes to Physician Megestrol Acetate In House Reference Standard can be washed with plently 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 Wear self-contained breathing apparatus, avoid dust formation. Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Section 8: Paposure Controls, Personal Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Equipment Protective Equipment Protective Equipment Protective Equipment White Solid Odor Odor Odor Odor Odor Odorless Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Exporation Rate NA | Ingestion | Medical assistance for gastric lavage. | | |
| 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 Wear self-contained breathing apparatus, avoid dust formation. Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Exposure Lontrols, Personal Protection Respiratory Protection Wear safety googles Other Protective Equipment Protective Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Perssure NA Vapor Density NA Exporation Rate NA Exporation Rate NA | | | | |
| Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Section 6: Accidental Release Measures Personal Precautions Wear self-contained breathing apparatus, avoid dust formation. Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves 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 Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor Jess Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA Evaporation Rate NA Evaporation Rate | Notes to Physician | | | |
| Section 6: Accidental Release Measures Personal Precautions Spills/Leaks Wear self-contained breathing apparatus, avoid dust formation. Spills/Leaks Wear surgical gloves Section 7: Handlings and Storage Handling Wear surgical gloves Section 8: Exposure Controls, Personal Protection Section 9: Exposure Controls, Personal Protection Separate Limits NA Exposure Limits NA Set Protective Equipment Protective Equipment Protective Equipment Section 9: Physical and Chemical Properties Appearance Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Exposure Service Results NA Exporation Rate NA NA Section 9: Physical and Chemical Properties NA NA NA NA NA NA NA NA NA N | Section 5: Firefighting Measures | | | |
| Section 6: Accidental Release Measures Personal Precautions Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Sephysical and Chemical Properties Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA Vapor Density NA Evaporation Rate Wear surgical gloves Can be stored at room temperature Self-contained breathing apparatus NA Self-contained breathing apparatus Can be stored at room temperature Self-contained breathing apparatus Self-contained breathing apparatus Can be stored at room temperature Self-contained breathing apparatus NA NA Wash safety goggles Other Protective Equipment Protective clothing Strin Full sleeves apron Cotton Cotton Cotton Cotton Section 9: Physical and Chemical Properties Appearance NA | Extinguishing Media | Carbon dioxide, dry chemical powder, foam, water. | | |
| Personal Precautions Wear self-contained breathing apparatus, avoid dust formation. Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Equipment Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate Wash with plenty of water, provide adequate ventilation. Washer, provide adequate ventilation. Wash with plenty of water, provide adequate ventilation. Wear surgical gloves Self-contained breathing apparatus Na Wear surgical gloves Can be stored at room temperature Can be stored at room temperature Section 9: Protection Wear surgical gloves Self-contained breathing apparatus Na Wear surgical gloves Self-contained breathing apparatus Na Wear surgical gloves Can be stored at room temperature Can be st | Unusual Fire and Explosion Hazards | | | |
| Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves 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 In Equipment Protective In Equipment Protective In | Section 6: Accidental Release Measures | | | |
| Section 7: Handlings and Storage Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection 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 White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate | Personal Precautions | Wear self-contained breathing apparatus, avoid dust formation. | | |
| Handling Wear surgical gloves 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 Equipment Protective Cottning Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Spills/Leaks | Wash with plenty of water, provide adequate ventilation. | | |
| Section 8: Exposure Controls, Personal Protection Respiratory Protection 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 White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density Evaporation Rate Can be stored at room temperature Self-contained breathing apparatus Self-contained breathing apparatus Self-contained breathing apparatus Appearatus What Solids Odor Odor less NA NA | Section 7: Handlings and Storage | | | |
| Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits Exposure Limits Other Protective Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density Evaporation Rate Self-contained breathing apparatus NA Wear safety goggles Wear safety goggles Wear safety goggles Vapor Solid Odor NA NA NA | Handling | Wear surgical gloves | | |
| Respiratory Protection 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 White Solid Odor Odor less Melting Point PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate | Storage | Can be stored at room temperature | | |
| 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 White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Section 8: Exposure Controls, Personal Protection | | | |
| Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate Na Protective clothing Wear safety goggles Wear safety goggles Wear safety goggles Wear safety goggles Na Full sleeves apron Odor Odor NA Full sleeves apron Odor Odor NA NA NA NA NA NA NA NA NA N | Respiratory Protection | Self-contained breathing apparatus | | |
| Other Protective Equipment Protective Clothing Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Exposure Limits | NA | | |
| Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Eye Protection | Wear safety goggles | | |
| Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Other Protective Equipment | Protective clothing | | |
| Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Skin | Full sleeves apron | | |
| Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Clothing | Cotton | | |
| Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Section 9: Physical and Chemical Properties | | | |
| Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Appearance | White Solid | | |
| pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Odor | Odor less | | |
| Vapor Pressure NA Vapor Density NA Evaporation Rate NA | Melting Point | NA | | |
| Vapor Density NA Evaporation Rate NA | pH | Basic | | |
| Evaporation Rate NA | Vapor Pressure | NA | | |
| | Vapor Density | NA | | |
| Viscosity | 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 | Chloroform, Methanol | |
| 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 | |
| Mutagencity | NIL | |
| Other Studies | NA | |

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

| 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 IMDG: Not dangerous goods 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 IATA: No

Special precautions for users

Further information

| Section | 15: | Regulator | v Inforn | nation |
|---------|-------------|-----------|-----------|--------|
| Section | ± J. | regulator | y 1111011 | nation |

| TSCA | Attached the letter |
|----------------------------------|--------------------------------------|
| Health and Safety Reporting List | No data available |
| Chemical Test Rules | Chemical analysis report is attached |

Section 16: Additional Information

 $This \ product \ is \ not \ bioactive, \ non-radio active. \ It \ is \ for \ R/D \ use \ only. \ Not \ for \ drug, \ household \ or \ other \ uses.$

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.