

Section 1: Identification

Common Name/Trade Name	METHYLPREDNISOLONE ACETATE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	[2-[(6S,8S,9S,10R,11S,13S,14S,17R)-11,17-dihydroxy-6,10,13-trimethyl-3-oxo-7,8,9,11,12,14,15,16-octahydro-6Hcyclopenta[a]phenanthren-17-yl]-2-oxoethyl] acetate	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Reproductive toxicity (Category 2)	
Signal Word	Warning	
Hazard Statement(s)	H361d Suspected of damaging the unborn child	
Pictogram(s)		
Precautionary Statement(s)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P308+P313 IF exposed or concerned Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.	
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	[2-[(6S,8S,9S,10R,11S,13S,14S,17R)-11,17-dihydroxy-6,10,13-trimethyl-3-oxo-7,8,9,11,12,14,15,16-octahydro-6Hcyclopenta[a]phenanthren-17-yl]-2-oxoethyl] acetate
Common Name	Methylprednisolone Acetate
CAS Number	53-36-1
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Indication of any immediate medical attention and special treatment needed: Treat symptomatically.
If Inhaled	Take the subject to fresh air. If breathing is difficult, call a doctor right away.
In Case of Skin Contact	Take off contaminated clothing. Wash thoroughly with soap and water. If irritation persists, consult a physician. Wash the contaminated garments before reusing them.
In Case of Eye Contact	Remove any contact lenses. Wash immediately and abundantly with lukewarm water for at least 15 minutes, opening the eyelids well. Consult a physician if the problem persists.
If Swallowed	Get medical attention immediately. Induce vomiting only on medical advice. Do not administer anything by mouth if the subject is unconscious and if not authorized by the doctor.
Most Important Symptoms and Effects	Suspected of damaging the unborn child INGESTION: possible abdominal and stomach pain. INHALATION EXPOSURE: possible mucous membranes and upper breathing intakes irritation. CONTACT WITH SKIN: possible redness. CONTACT WITH EYES: possible burning sensation, redness of conjunctiva.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.
Special Hazards Arising From the Substance/Mixture	HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition. In case of thermal decomposition related to the effect of high temperatures may develop toxic substances for human health: CO _x principally.
Special PPE and/or Precautions for Firefighters	GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	If there are no contraindications, spray powder with water to prevent the formation of dust. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.
Methods and Materials Used for Containment	The product must not penetrate into the sewer system or come into contact with surface water or groundwater.
Cleanup Procedures	Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

Section 7: Handling and Storage

Precautions for Safe Handling	Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.
Conditions for Safe Storage	Store only in the original container. Store the containers sealed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details. Do not store above 25°C. Store in a dry place.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	TWA/8h, mg/m ³ , VLEP 0,00167, TLV-ACGIH 4f
Appropriate Engineering Controls	As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards. Provide an emergency shower with face and eye wash station.
PPE - Eye/Face Protection	Wear airtight protective goggles (see standard EN 166).
PPE - Skin Protection	Handle with gloves. Gloves must be checked before use. Use proper glove removal technique (without touching the outer surface of the glove) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry your hands. The selected protective gloves must meet the requirements of directive (EU) 2016/425 and the resulting standard EN 374. Full contact Material: Nitrile rubber minimum thickness: 0.11 mm Breakthrough time: 480 min Spray contact Material: Nitrile rubber minimum thickness: 0.11 mm Breakthrough time: 480 min
PPE - Body Protection	Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.
PPE - Respiratory Protection	If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a type FFP3 facemask, unless indicated otherwise in the chemical risk assessment. (see standard EN 149). Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

Section 9: Physical and Chemical Properties

Appearance	White or almost white crystalline powder
Upper/Lower Flammability or Explosive Limits	Not available
Odor	Odorless
Vapor Pressure	Not available
Odor Threshold	Not available
Vapor Density	Not available
pH	Not available
Relative Density	1,3 g/cm ³ Remark: ± 0.1 g/cm ³ Cond.: Temp: 20°C Press: 760 Torr [8]
Melting Point/Freezing Point	225°C Remark: with decomposition. [7] [12]
Solubility	insoluble in water Remark: [7] [10] [11]. Solubility in organic solvents: Moderately soluble in acetone and alcohol. [11]
Initial Boiling Point and Boiling Range	582.5°C Remark: ± 50.0°C at 760 mmhg (estimated)
Flash Point	Not available
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not flammable
Partition Coefficient	2.56 Remark: [8]
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available

Section 10: Stability and Reactivity

Reactivity	There are no particular risks of reaction with other substances in normal conditions of use.
Chemical Stability	The product is stable under normal conditions of use and storage.
Possibility of Hazardous Reactions	Dusts are potentially explosive when mixed with air.
Conditions to Avoid	Avoid exposure to: air, heat, light, moisture.
Incompatible Materials	Avoid contact with: strong oxidising agents.
Hazardous Decomposition Products	In case of thermal decomposition related to the effect of high temperatures may develop toxic substances for human health: COx principally.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 (subcutaneous) - rat: 265 mg/kg [1] [4] LD50 (subcutaneous) - mouse: 1320 mg/kg [1] [4] LD50 (intraperitoneal) - mouse: > 1409 mg/kg [1] [4] LD50 (Oral): > 10000 mg/kg Rat [1][4][7][10]
Acute Toxicity - Inhalation	Due to lack of data the classification is not possible.
Acute Toxicity - Dermal	Due to lack of data the classification is not possible.
Acute Toxicity - Eye	Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation	Does not meet the classification criteria for this hazard class.
Serious Eye Damage/Irritation	Does not meet the classification criteria for this hazard class.
Respiratory or Skin Sensitization	Does not meet the classification criteria for this hazard class.
Germ Cell Mutagenicity	Does not meet the classification criteria for this hazard class. Some studies have been conducted in animals to establish whether corticosteroids have a mutagenic potential. [9]
Carcinogenicity IARC	Does not meet the classification criteria for this hazard class. Some studies have been conducted in animals to establish whether corticosteroids have carcinogenic potential. [9] MetilPrednisolone was negative in terms of carcinogenicity in the wise cell bond - DNA (DCB). [7]
Carcinogenicity ACGIH	Does not meet the classification criteria for this hazard class. Some studies have been conducted in animals to establish whether corticosteroids have carcinogenic potential. [9] MetilPrednisolone was negative in terms of carcinogenicity in the wise cell bond - DNA (DCB). [7]
Carcinogenicity NTP	Does not meet the classification criteria for this hazard class. Some studies have been conducted in animals to establish whether corticosteroids have carcinogenic potential. [9] MetilPrednisolone was negative in terms of carcinogenicity in the wise cell bond - DNA (DCB). [7]
Carcinogenicity OSHA	Does not meet the classification criteria for this hazard class. Some studies have been conducted in animals to establish whether corticosteroids have carcinogenic potential. [9] MetilPrednisolone was negative in terms of carcinogenicity in the wise cell bond - DNA (DCB). [7]
Reproductive Toxicity	Suspected of damaging the unborn child
Specific Target Organ Toxicity - Single Exposure	Does not meet the classification criteria for this hazard class
Specific Target Organ Toxicity - Repeated Exposure	Does not meet the classification criteria for this hazard class.
Aspiration Hazard	Does not meet the classification criteria for this hazard class

Section 12: Ecological Information

Toxicity	Information not available
Persistence and Degradability	NOT rapidly degradable
Bio-accumulative Potential	The substance does not have persistence, bioaccumulation and toxicity (PBT) properties and is not very persistent and very bio-accumulative. (vPvB).
Mobility in Soil	Information not available
Other Adverse Effects	Information not available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Waste Treatment Methods Packaging	Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

Seveso Category - Directive 2012/18/EU: None Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 None Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable Substances in Candidate List (Art. 59 REACH). On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%. Substances subject to authorisation (Annex XIV REACH) None Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None Substances subject to the Rotterdam Convention: None Substances subject to the Stockholm Convention: None Healthcare controls Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected. 15.2. Chemical safety assessment Has not been performed/is not yet available a chemical safety assessment for the substance.

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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Disclaimer

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