


## Section 1: Identification

<b>Common Name/Trade Name</b>	METHYLPREDNISOLONE ACETATE USP	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
<b>Distributor Name</b>	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: <a href="mailto:bellacorp@bellacorp.com.au">bellacorp@bellacorp.com.au</a>	
<b>Product Synonym(s)</b>	[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	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Reproductive toxicity (Category 2)	
<b>Signal Word</b>	Warning	
<b>Hazard Statement(s)</b>	H361d	Suspected of damaging the unborn child
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	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.	
<b>Hazards Not Otherwise Classified</b>	No data available	
<b>Ingredient(s) with Unknown Toxicity</b>	No data available	

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	[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
<b>Common Name</b>	Methylprednisolone Acetate
<b>CAS Number</b>	53-36-1
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	Indication of any immediate medical attention and special treatment needed: Treat symptomatically.
<b>If Inhaled</b>	Take the subject to fresh air. If breathing is difficult, call a doctor right away.
<b>In Case of Skin Contact</b>	Take off contaminated clothing. Wash thoroughly with soap and water. If irritation persists, consult a physician. Wash the contaminated garments before reusing them.
<b>In Case of Eye Contact</b>	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.
<b>If Swallowed</b>	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.
<b>Most Important Symptoms and Effects</b>	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

<b>Suitable Extinguishing Media</b>	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.
<b>Special Hazards Arising From the Substance/Mixture</b>	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: COx principally.
<b>Special PPE and/or Precautions for Firefighters</b>	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

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	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.
<b>Methods and Materials Used for Containment</b>	The product must not penetrate into the sewer system or come into contact with surface water or groundwater.
<b>Cleanup Procedures</b>	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

<b>Precautions for Safe Handling</b>	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.
<b>Conditions for Safe Storage</b>	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

<b>Components with Workplace Control Parameters</b>	TWA/8h, mg/m <sup>3</sup> , VLEP 0,00167, TLV-ACGIH 4f
<b>Appropriate Engineering Controls</b>	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.
<b>PPE - Eye/Face Protection</b>	Wear airtight protective goggles (see standard EN 166).
<b>PPE - Skin Protection</b>	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
<b>PPE - Body Protection</b>	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.
<b>PPE - Respiratory Protection</b>	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

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

## Section 10: Stability and Reactivity

<b>Reactivity</b>	There are no particular risks of reaction with other substances in normal conditions of use.
<b>Chemical Stability</b>	The product is stable under normal conditions of use and storage.
<b>Possibility of Hazardous Reactions</b>	Dusts are potentially explosive when mixed with air.
<b>Conditions to Avoid</b>	Avoid exposure to: air, heat, light, moisture.
<b>Incompatible Materials</b>	Avoid contact with: strong oxidising agents.
<b>Hazardous Decomposition Products</b>	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

<b>Acute Toxicity - LD50 Oral</b>	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]
<b>Acute Toxicity - Inhalation</b>	Due to lack of data the classification is not possible.
<b>Acute Toxicity - Dermal</b>	Due to lack of data the classification is not possible.
<b>Acute Toxicity - Eye</b>	Based on available data, the classification criteria are not met.
<b>Skin Corrosion/Irritation</b>	Does not meet the classification criteria for this hazard class.
<b>Serious Eye Damage/Irritation</b>	Does not meet the classification criteria for this hazard class.
<b>Respiratory or Skin Sensitization</b>	Does not meet the classification criteria for this hazard class.
<b>Germ Cell Mutagenicity</b>	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]
<b>Carcinogenicity IARC</b>	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]
<b>Carcinogenicity ACGIH</b>	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]
<b>Carcinogenicity NTP</b>	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]
<b>Carcinogenicity OSHA</b>	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]
<b>Reproductive Toxicity</b>	Suspected of damaging the unborn child
<b>Specific Target Organ Toxicity - Single Exposure</b>	Does not meet the classification criteria for this hazard class
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Does not meet the classification criteria for this hazard class.
<b>Aspiration Hazard</b>	Does not meet the classification criteria for this hazard class

## Section 12: Ecological Information

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

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	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.
<b>Waste Treatment Methods Packaging</b>	Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

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

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	09/01/2023 15:42

### Disclaimer

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