

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/08/2024

Revision date 04/08/2024

Page 1/9

1 Identification · Product identifier · Trade name: 6β-hydroxy Prednisolone • **Synonym** 6β,11β,17,21-tetrahydroxy-pregna-1,4-diene-3,20-dione · Article number: 35720 · CAS Number: 16355-29-6 · Application of the substance / the mixture This product is for research use - Not for human or veterinary diagnostic or therapeutic use. · Details of the supplier of the safety data sheet · Manufacturer/Supplier: Cayman Chemical Co. 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 USA · Information department: Product safety department • Emergency telephone number: During normal opening times: +1 (734) 971-3335 US/CANADA: 800-424-9300 Outside US/CANADA: 703-741-5970 2 Hazard(s) identification · Classification of the substance or mixture GHS08 Health hazard Toxic to Reproduction 1B H360 May damage fertility or the unborn child. Specific Target Organ Toxicity - Repeated Exposure H372 Causes damage to organs through 1 prolonged or repeated exposure. **GHS09** Environment Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. GHS07

Acute Toxicity - Oral 4 Acute Toxicity - Dermal 4 Acute Toxicity - Inhalation 4 H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled.

(Contd. on page 2)

⁻ US

Printing date 04/08/2024

Revision date 04/08/2024

Skin Irritation 2 H315 Causes skin irritation Eye Irritation 2A H319 Causes serious eye in Label elements GHS label elements The substance is classified and labeled according to the Globally Harmonized Sy Hazard pictograms Image: GHS07 GHS08 GHS09 Signal word Danger Hazard statements H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes serious eye irritation. H316 Causes serious eye irritation. H317 Causes serious eye irritation. H318 Causes serious eye irritation. H319 Causes serious eye irritation. P202 Do not hana	ritation.
Label elements GHS label elements The substance is classified and labeled according to the Globally Harmonized Sy Hazard pictograms Image: Construct of the Global statements H302+H312+H332 H302+H312+H332 Hazard statements H302+H312+H332 Harmonized skin irritation. H319 Causes skin irritation. H360 May damage fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated ext H411 Toxic to aquatic life with long lasting effects. Precautionary statements P202 Do not handle until all safety precautions have been read and P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face P304+P312 If swallowed: Call a poison center/doctor if you feel unwell. P304+P313 If eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing. </th <th>ritation.</th>	ritation.
GHS label elements The substance is classified and labeled according to the Globally Harmonized Sy Hazard pictograms OPENDE Signal word Danger Hazard statements Paceautionary statements Paceautionary statements Paceautinstructions before use.	
Signal word DangerHazard statementsH302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.H315Causes skin irritation.H316Causes serious eye irritation.H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated extH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P304+P340IF INHALED: Remove person to fresh air and keep comfortathP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P304+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P321Specific treatment (see on this label).P321If skin irritation occurs: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medica	stem (GHS).
Signal word DangerHazard statementsH302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.H315Causes skin irritation.H316Causes serious eye irritation.H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated extH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P304+P340IF INHALED: Remove person to fresh air and keep comfortathP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P304+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P321Specific treatment (see on this label).P321If skin irritation occurs: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medica	
Hazard statementsH302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.H315Causes skin irritation.H319Causes serious eye irritation.H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated extH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortatheP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P304+P313IF exposed or concerned: Get medical advice/attention.P314Get medical advice/attention if you feel unwell.P32+P313If skin irritation occurs: Get medical advice/attention.P33+P313If skin irritation occurs: Get medical advice/attention.P33+P313If skin irritation occurs: Get medical advice/attention.P33+P313If skin irritation o	
Hazard statementsH302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.H315Causes skin irritation.H319Causes serious eye irritation.H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated extH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortatheP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P314Get medical advice/attention if you feel unwell.P32+P313IF exposed or concerned: Get medical advice/attention.P33+P313If eye irritation occurs: Get medical advice/attention.P33+P313If eye irritation occurs: Get medical advice/attention.P33+P313If eye irritation presists: Get medical advice/attention.P33+P313If eye irritation pres	
H315Causes skin irritation.H319Causes serious eye irritation.H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated exH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P314Get medical advice/attention if you feel unwell.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P351+P314If eye irritation persists: Get medical advice/attention.P352+P354Take off contaminated clothing and wash it b	
H319Causes serious eye irritation.H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated exerH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P303Rinse mouth.P304+P340IF INHALED: Remove person to fresh air and keep comfortathP308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P332+P353If skin irritation occurs: Get medical advice/attention.P337+P313If skin irritation persists: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P337+P313If sey irritation persists: Get medical advice/attention.P337+P313If sey irritation persists: Get medical advice/attention.P351+P314Dispose of contents/container in accordance with local/region	
H360May damage fertility or the unborn child.H372Causes damage to organs through prolonged or repeated explainedH411Toxic to aquatic life with long lasting effects.Precautionary statementsDo toxic to aquatic life with long lasting effects.P201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P303Rinse mouth.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
H372Causes damage to organs through prolonged or repeated exH411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If neyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P314Get medical advice/attention if you feel unwell.P322+P313IF exposed or concerned: Get medical advice/attention.P324+P313IF exposed or concerned: Get medical advice/attention.P324+P313IF exposed or concerned: Get medical advice/attention.P332+P313IF exposed or concerned: Get medical advice/attention.P334+P313Get medical advice/attention if you feel unwell. <t< td=""><td></td></t<>	
H411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
H411Toxic to aquatic life with long lasting effects.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302P304+P340P305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	osure.
Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortateP308+P313IF exposed or concerned: Get medical advice/attention.P308+P313IF exposed or concerned: Get medical advice/attention.P302+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P201Obtain special instructions before use.P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortateP308+P313If exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P202Do not handle until all safety precautions have been read andP260Do not breathe dust/fume/gas/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P302Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P260Do not breathe dust/fume/ga/mist/vapors/spray.P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P300Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	understood.
P264Wash thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortateP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortateP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P271Use only outdoors or in a well-ventilated area.P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortateP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P273Avoid release to the environment.P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortateP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P280Wear protective gloves/protective clothing/eye protection/faceP301+P312If swallowed: Call a poison center/doctor if you feel unwell.P303Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P301+P312If swallowed: Call a poison center/doctor if you feel unwell.P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	protection
P330Rinse mouth.P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	protection.
P302+P352If on skin: Wash with plenty of water.P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P304+P340IF INHALED: Remove person to fresh air and keep comfortabP305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P305+P351+P338If in eyes: Rinse cautiously with water for several minutes. Represent and easy to do. Continue rinsing.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P337+P313If eye irritation occurs: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	lo for broathing
P308+P313IF exposed or concerned: Get medical advice/attention.P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P308+P313IF exposed or concerned: Get medical advice/attention.P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	move contact iens
P321Specific treatment (see on this label).P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P314Get medical advice/attention if you feel unwell.P362+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P362+P364Take off contaminated clothing and wash it before reuse.P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P332+P313If skin irritation occurs: Get medical advice/attention.P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P337+P313If eye irritation persists: Get medical advice/attention.P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P391Collect spillage.P405Store locked up.P501Dispose of contents/container in accordance with local/region	
P405 Store locked up. P501 Dispose of contents/container in accordance with local/region	
P501 Dispose of contents/container in accordance with local/region	
	ai/national/interna
Classification system:	
NFPA ratings (scale 0 - 4)	
ini i A rauliya (acale v - 4)	
Health = 3	
Fire = 0	
3 0 Reactivity = 0	

(Contd. on page 3)

Printing date 04/08/2024

Revision date 04/08/2024

Trade name: 6β-hydroxy Prednisolone

(Contd. from page 2)

· HMIS-ratings (scale 0 - 4)



· 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

16355-29-6 6β-hydroxy Prednisolone

4 First-aid measures

· Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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: Immediately call a doctor.
- · Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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: Mouth respiratory protective device.

6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures Not required.

(Contd. on page 4)

US

Printing date 04/08/2024

Revision date 04/08/2024

Trade name: 6β-hydroxy Prednisolone

(Contd. from page 3) • Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:** Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
- **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
- · 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 Thorough dedusting.
- Ensure good ventilation/exhaustion at the workplace.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- Storage: Store in accordance with information listed on the product insert.
- 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 section 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.
- 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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

(Contd. on page 5)

US

Printing date 04/08/2024

Revision date 04/08/2024

Trade name: 6β-hydroxy Prednisolone

(Contd. from page 4)

· 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 General Information	chemical properties	
Appearance:		
Form:	Solid	
Color:	Not determined.	
Odor:	Characteristic	
Structural Formula	C21H28O6	
Molecular Weight	376.4 g/mol	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	233 °C (451.4 °F)	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Product is not flammable.	
Decomposition temperature:	Not determined.	
Ignition temperature:	Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	Not applicable.	

Printing date 04/08/2024

Revision date 04/08/2024

Trade name: 6β-hydroxy Prednisolone

		(Contd. from page 5)
· 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/wa	iter): Not determined.	
· Viscosity:		
Dynamic:	Not applicable.	
Kinematic:	Not applicable.	
SOLUBILITY	DMSO: soluble; Methanol: soluble	
· 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.

11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · 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.

(Contd. on page 7)

US

Printing date 04/08/2024

Revision date 04/08/2024

Trade name: 6β-hydroxy Prednisolone

(Contd. from page 6)

- Ecotoxical effects:
- Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- 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	10.0077
DOT, IMDG, IATA	UN3077
· UN proper shipping name	
DOT, IATA	Environmentally hazardous substance, solid, n. (6β-hydroxy Prednisolone)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTAN SOLID, N.O.S. (6β-hydroxy Prednisolone)
Transport hazard class(es)	
DOT	
Class	9 Miscellaneous dangerous substances and articles
Label	9
IMDG, IATA	
Class	9 Miscellaneous dangerous substances and articles

Printing date 04/08/2024

Revision date 04/08/2024

Trade name: 6β-hydroxy Prednisolone

	(Contd. from page
· Packing group · DOT, IMDG, IATA	Ш
· Environmental hazards: · Marine pollutant: · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)
Special precautions for user	Warning: Miscellaneous dangerous substances an articles
 Hazard identification number (Kemler c EMS Number: Stowage Category Stowage Code 	code): 90 F-A,S-F A SW23 When transported in BK3 bulk container, se 7.6.2.12 and 7.7.3.9.
 Transport in bulk according to Annex II MARPOL73/78 and the IBC Code 	l of Not applicable.
Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: 400 kg On cargo aircraft only: 400 kg
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· IATA · Remarks:	When sold in quantities of less than or equal to 1 ml or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minim Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled a Dangerous Goods/Excepted Quantity.
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOU SUBSTANCE, SOLID, N.O.S. (6β-HYDROX PREDNISOLONE), 9, III

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.

(Contd. on page 9)

US

Printing date 04/08/2024

Revision date 04/08/2024

(Contd. from page 8)

Trade name: 6β-hydroxy Prednisolone

- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value) 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

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

- · Department issuing SDS: Environment protection department.
- Contact: -
- · Date of preparation / last revision 04/08/2024 / -

· Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) 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** Acute Toxicity - Oral 4: Acute toxicity - Category 4 Skin Irritation 2: Skin corrosion/irritation - Category 2 Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A Toxic to Reproduction 1B: Reproductive toxicity - Category 1B Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 * * Data compared to the previous version altered.

US -