

MATERIAL SAFETY DATA SHEET

HYDROCORTISONE ACETATE

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SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT: Hydrocortisone Acetate USP

SYNONYMS: Cortisol Acetate

MOLECULAR FORMULA: $C_{23}H_{32}O_6$

MOLECULAR WEIGHT: 404.51

CHEMICAL FAMILY: Steroid

<u>INGREDIENT (CAS #)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Hydrocortisone Acetate (50-03-3)	100	N/A	N/A

SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A VAPOR PRESSURE: N/A

MELTING POINT: N/A VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A EVAPORATION RATE: N/A
(WATER = 1) (BUTYL ACETATE = 1)

WATER SOLUBILITY: 1 mg/100 ml WATER REACTIVE: No

APPEARANCE AND ODOR: White to practicall white powder. Odorless.

SECTION 3 - FIRE AND EXPLOSION DATA

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FLASH POINT (METHOD): N/A

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May produce toxic fumes if heated to decomposition.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): None.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce toxic fumes if heated to decomposition.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur (X)

SECTION 5 - HEALTH HAZARD DATATOXICITY: LD50: (intraperitoneal - rat) 2300 mg/kg
(subcutaneous - mouse) 45.05 mg/kg

CARCINOGEN LISTED BY:	NTP	Yes ()	No (X)
	IARC	Yes ()	No (X)
	OSHA	Yes ()	No (X)
	Other	Yes ()	No (X)

ROUTES OF ENTRY: Inhalation, ingestion, absorption, contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: May cause irritation of respiratory tract or allergic reaction.

EYE CONTACT: May cause irritation or allergic reaction.

SKIN CONTACT: May cause irritation or allergic reaction.

INGESTION: May cause irritation of gastrointestinal tract or allergic reaction.

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CHRONIC EFFECTS OF OVEREXPOSURE: Possible hypersensitization.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Hypersensitivity to this material. Systemic fungal infection.

OTHER PRECAUTIONS TO CONSIDER: Persons developing serious hypersensitivity (anaphylactic) reactions must receive medical attention immediately. Exposure may cause suppression of adrenal gland secretion, Cushing's syndrome, water retention, electrolyte imbalance, hyperglycemia.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists or develops, seek medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists or develops, seek medical attention.

INGESTION: Flush mouth with water and seek medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES
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RESPIRATORY PROTECTION: NIOSH-approved respirator.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Safety glasses or goggles. Avoid wearing contact lenses when working with this material due to the possibility of increased severity of eye damage.

VENTILATION: Use local ventilation if airborne levels are high.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

HYGIENIC WORK PRACTICES: Do not eat, drink or smoke near this material. Wash any contaminated clothing before reuse.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid contact with skin, eyes or clothing. Avoid breathing dust.

STORAGE PRECAUTIONS: Store in tight containers in a cool, dry place.

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OTHER PRECAUTIONS: Wash any exposed skin areas after handling. Wash any contaminated clothing before reuse.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wear all protective clothing including respirator, gloves and safety glasses/goggles. Vacuum or sweep up spillage and place in a tight container. Wash spill area with soap and water. Wash any exposed skin area and wash contaminated clothing before reuse.

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

SECTION 9 - DISCLAIMER

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DEFINITIONS OF ABBREVIATIONS USED:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

IARC: Internal Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health level

LC50: Median Lethal Concentration

LD50: Median Lethal Dose

N/A: Not available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value