

Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, TX 75501
903-831-7808

HYDROCORTISONE

DATE ISSUED: 01/11/01

SECTION I

IDENTIFICATION

Product Name: Hydrocortisone

Synonyms: Aeroseb-HC, Anti-inflammatory Hormone, Barseb HC, Cetacort, Cobadex, Compound F, Compound F (Kendall), Cort-dome, Cortef, Cortenema, Cortifan, Cortisol Alcohol, Cortispray, Cortonema, Cortril, Dermacort, Efcorbin, EF Crolin, EF Cortelin, Eldecort, Ficortril, Fiocortril, Genacort, HC, HEB-Cort, Hidro-Colisona, Hycort, Hycortol, Hycortole, Hydro-Adreson, Hydro-Colisona, Hydrocortisone, 11-Beta-Hydrocortisone, Hydrocortisone Free Alcohol, Hydrocortistab, Hydrocortisyl, Hydrocortone, 17-Hydroxycorticosterone, Hydroxycortisone, 11-Beta-Hydroxycortisone, Hytone, Hytone Lotion, Incortin-H, Kendall's Compound F, NSC 10483, Optef, Otosone-F, Pericort, Pregn-4-Ene-3, 20-Dione, 11,17, 21-Trihydroxy-, (11-Beta)-, 4-Pregnene-11-Beta, 17- Alpha, 21-Triol 3, 20-Dione, Proctocort, Rectoid, Reichstein's Substance M, Scheroson F, Tarcortin, Texacort Lotion 25, Topicort, Traumaide, 11-Beta, 17, 21-Trihydroxypregn-4-ene-3, 20-Dione, 11-Beta, 17-Alpha, 21-Trihydroxypregn-3-ene-3, 20-Dione, 11-Beta, 17-alpha, 21-Trihydroxy-4-Pregnene-3, 20-Dione

Emergency Telephone Number: 1-800-424-9300 Chemtrec

SECTION II

COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number: 50-23-7

Molecular Formula: C₂₁H₃₀O₅

SECTION III

HAZARDS IDENTIFICATION

Label Precautionary Statements: Harmful

Possible Risk of irreversible effects.

Possible Teratogen.

Target Organs: Eyes

Do not breathe dust.

Wear suitable protective clothing.

HYDROCORTISONE

SECTION IV FIRST AID MEASURES

In case of contact: immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

If Inhaled: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

If Swallowed: Wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

SECTION V FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, Carbon dioxide, foam or dry chemical.

Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire or Explosion Hazards: Emits toxic fumes under fire conditions.

SECTION VI ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled: Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION VII HANDLING AND STORAGE

Refer to Section 8.

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Wear appropriate NIOSH/MSHA-approved respirator.

Ventilation: Local exhaust at point of manufacture or use.

Protective Gloves: Chemical resistant gloves

Eye Protection: Safety goggles, safety shower and eye bath.

Other Protective Equipment: Use only in a chemical fume hood. Protective covering for exposed areas of skin. Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Possible teratogen.

Storage: Keep tightly closed. Store in a cool dry place.

HYDROCORTISONE**SECTION IX PHYSICAL & CHEMICAL PROPERTIES**

Appearance & Odor: white powder.

Melting Point: 211°C – 214°C

SECTION X STABILITY & REACTIVITY

Incompatibility with other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: CO & CO₂

SECTION XI TOXICOLOGICAL INFORMATION

Acute Effects: May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

Chronic Effects: overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Target Organs: eyes. to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS NO.: GM8925000

Cortisol

Toxicity Data

IPR-Rat LD50: 150 mg/kg	JJPAAZ 21, 377, 71
SCU-Rat LD50: 449 mg/kg	TXAPA 9 8, 250, 66
SCU-MUS LD 50: > 500 mg/kg	KHFZAN 24 (3), 26, 90

Target Organ Data:

Maternal Effects (uterus, cervix, vagina)

Effects on fertility (post-implantation mortality)

Effects on embryo or fetus (cytological changes)

Effects on embryo or fetus (fetotoxicity)

Effects on embryo or fetus (fetal death)

Effects on embryo or fetus (other effects to embryo or fetus)

Specific Developmental Abnormalities (eye, ear)

Specific Developmental Abnormalities (craniofacial)

Specific Developmental Abnormalities (endocrine system)

Specific Developmental Abnormalities (homeostasis)

Specific Developmental Abnormalities (other developmental abnormalities)

HYDROCORTISONE

Effects on Newborn (other neonatal measures or effects)

Effects on Newborn (growth statistics)

Effects on Newborn (biochemical and metabolic)

Nutritional and gross metabolic (weight loss or decreased weight gain)

Biochemical Effects (effect on inflammation or mediation of inflammation)

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

SECTION XII

ECOLOGICAL INFORMATION

No information found.

SECTION XIII

DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

SECTION XIV

REGULATORY INFORMATION

Reviews, Standards, and regulations

NOHS 1974; HZD 80429; NIS 12; TNF 1374; NOS 15; TNE 28935

NOES 1983; HZD 80429; NIS 7; TNF 1396; NOS 20; TNE 36900; TFE 21576

EPA TSCA Section 8(B) Chemical Inventory

SECTION XV

OTHER INFORMATION

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Humco Holding Group, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. License granted to make unlimited paper copies for internal use only.