



Material Safety Data Sheet

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TRIAMCINOLONE ACETONIDE

IDENTIFICATION

Common Name: Triamcinolone Acetonide

Chemical Name: Pregna-1,4-diene-3,20-dione, 9-fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-, (11beta, 16alpha)-

Synonym: n/f

Formula: C₂₄H₃₁FO₆

CAS Number: 76-25-5

RTECS Number: TU3920000

Chemical Family: Corticosteroid

Therapeutic Category: Glucocorticoid

INGREDIENT INFORMATION

Principle Components

Triamcinolone Acetonide

Percent

Pure Material

Exposure Limits

n/f

HEALTH HAZARD INFORMATION

Usual Adult Dose: The usual adult dose of triamcinolone acetonide is 2.5 to 100 mg given by injection. It is also used topically in concentrations of 0.025 to 0.5%, and by inhalation up to 1600 micrograms per day.

Adverse Effects: Toxic signs and symptoms rarely occur with administration of less than 3 weeks duration; even a massive single dose of this material is unlikely to cause adverse effects. If they do occur, adverse effects may include decreased or blurred vision, frequent urination, increased thirst, loss of appetite, indigestion, nervousness or restlessness, and trouble sleeping. Possible allergic reaction to material if inhaled, ingested or in contact with skin.

Overdose Effects: n/f

Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.

n/f = not found

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HEALTH HAZARD INFORMATION CONTINUED

Chronic: Possible hypersensitization, acne or other skin problems, hip or shoulder pain, fullness in face, swelling of feet or lower legs, menstrual irregularities, nausea, vomiting, irregular heartbeat, muscle cramps, weakness, osteoporosis, increased susceptibility to infection, psychosis, and eye problems.

Inhalation: May cause irritation. Remove to fresh air.

Eye: May cause irritation. Flush with copious quantities of water.

Skin: Causes irritation and can be absorbed through the skin in sufficient quantity to cause systemic effects. Flush with copious quantities of soap and water.

Ingestion: May cause irritation. Flush out mouth with water.

Medical Conditions Aggravated by Exposure: Hypersensitivity to material; ocular herpes simplex; active alcoholism; AIDS or HIV infection; heart disease or hypertension; diabetes mellitus; myasthenia gravis; impaired liver or kidney function; esophagitis, gastritis or peptic ulcer; chickenpox or measles (including recent exposure); tuberculosis; and systemic fungal infections.

Cross Sensitivity: Persons hypersensitive to other corticosteroids may be hypersensitive to this material also.

Pregnancy Comments: Although adequate and well-controlled pregnancy studies have not been done in humans, there is some evidence that pharmacologic doses of corticosteroids may increase the risk of placental insufficiency, decreased birth weight, or stillbirth. However, birth defects in humans have not been confirmed. Studies in animals have shown that corticosteroids increase the incidence of cleft palate, placental insufficiency, miscarriage, and slowed intrauterine growth.

Pregnancy Category: n/f

FIRST AID MEASURES

General: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Overdose Treatment: Treatment for acute overdose is generally symptomatic and supportive; antacids may be used to relieve gastrointestinal irritation. Psychic disturbances (which may be delayed for up to 2 weeks following large ingestions) are treatable with a phenothiazine or lithium. Tricyclic antidepressants should NOT be used. [USP DI 2002]

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TOXICOLOGICAL INFORMATION

Oral Rat: LD50: n/f
Oral Mouse: LD50: 5 grams/Kg
Irritancy Data: n/f
Target Organ(s): n/f
Listed as a Carcinogen? NTP: No IARC: No OSHA: No
Other: No

FIREFIGHTING MEASURES

Flash Point: n/f **Upper Flammable Limit:** n/f
Auto-Ignition Temperature: n/f **Lower Flammable Limit:** n/f
Extinguisher Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

PHYSICAL HAZARDS

Conditions to Avoid: Avoid exposure to light, heat, and moisture.

Incompatibilities: n/f

Decomposition Products: When heated to decomposition material emits acrid smoke and toxic fumes of F-. Emits toxic fumes under fire conditions.

Stable? Yes **Hazardous Polymerization?** No

HANDLING / SPILL / DISPOSAL MEASURES

Handling: As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labeled container for disposal. Wash spill site.

Disposal: Dispose of waste in accordance with all applicable Federal, State and local laws.

n/f = not found

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EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: When working with small quantities in a well-ventilated area, respiratory protection may not be required.

Ventilation: No special ventilation requirements

Gloves: Rubber

Eye Protection: Safety Glasses

Protective Clothing: Protect exposed skin.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White to cream-colored crystalline powder; slight odor.

Melting Point: 292 - 294° C

Solubility in Water: Practically insoluble

Vapor Density: n/f

Boiling Point: n/f

Evaporation Rate: n/f

Specific Gravity: n/f

Reactivity in Water: n/f

Vapor Pressure: n/f

% Volatile by Volume: n/f

n/f = not found