

Safety Data Sheet


Section 1: Product & Company Identification

Product Name:	Dexamethasone
Product #:	D-2287
Synonyms:	(11 β ,16 α)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione, 9 α -Fluoro-16 α -methyl-11 β ,17 α ,21-trihydroxy-1,4-pregnadiene-3,20-dione, 9 α -Fluoro-16 α -methylprednisolone, Prednisolone F
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Dexamethasone	50-02-2		

Section 3: Hazards Identification

Symbols	
----------------	---

HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard

Section 4: First Aid Measures

General Overview:	Show this safety data sheet to the doctor in attendance.
--------------------------	--

Inhalation:	Fresh air. Call a physician.
Skin:	Immediately take off all contaminated clothing. Rinse skin with water/shower. Consult a physician.
Eyes:	Rinse eyes with plenty of water. Call an ophthalmologist. Remove contact lenses.
Ingestion:	Immediately make victim drink water (two glasses at most). Consult a physician.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Combustible.
Extinguishing Media:	Water, foam, carbon dioxide (CO ₂), dry powder.
Hazardous thermal (de)composition products:	Development of hazardous combustion gases or vapors possible in the event of fire. Carbon oxides, Hydrogen fluoride.
Special Fire Fighting Procedures:	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system. Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Flash Point:	No data available

Section 6: Accidental Release Measures

Personal Precautions:	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.
Environmental Precautions:	Do not let product enter drains.
Methods for Clean-up:	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling & Storage

Storage:	Protect from light. Keep container tightly closed in a dry, well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Recommended storage temperature: 2 – 8°C
Handling:	Work under hood. Do not inhale substances/mixture.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:



Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: P3

Skin and Body:



Protective gloves and lab coat.

Eyes:



Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

Ventilation/Engineering Measures:

Ensure adequate ventilation. Work under hood.

Hygiene:

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Other:

Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White powder. Odorless.
Formula	$C_{22}H_{29}FO_5$
Molecular Wt.	392.5
Melting Pt.	504 - 507°F / 262 - 264°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMF, DMSO, Ethanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	The product is chemically stable under standard ambient conditions (room temperature).
Hazardous decomposition products:	In the event of fire, see Section 5.
Materials to Avoid:	Violent reactions possible with oxidizing agents.
Conditions to avoid:	Light.

SECTION 11: Toxicological Information

RTECS#:	<p>TU3980000</p> <p>fetal development, Blurred vision, frequent urination, Nausea, Vomiting, appetite change, Stomach/intestinal disorders, nervousness, sleep disorders, weight gain, Dizziness, facial flushing, Headache, sweating, Allergic reactions, prolonged or repeated exposure can cause:, acne, Skin disorders, bone pain, reddened eyes, photosensitivity of the eyes, Provokes tears., hypertension, menstrual irregularities, muscle weakness, local swelling, irregular heart rate, muscle cramps, muscle pain, tiredness, Weakness, insomnia, Back pain, pain in the legs, Abdominal pain, Blood in feces (black stool).</p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p> <p>Absorption may result in damage of the following:</p> <ul style="list-style-type: none"> Liver Kidney Cardiac
----------------	--

	<p>Therapeutically used substance.</p> <p>Physiologically highly active substance.</p> <p>Other dangerous properties can not be excluded.</p> <p>This substance should be handled with particular care.</p> <p>Liver - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence</p>
ACUTE Toxicity:	N/A
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	<p>Dexamethasone:</p> <p>Partition coefficient: n-octanal/water : log Pow: 1.83</p> <p>Method: (experimental)</p> <p>Remarks: Bioaccumulation is not expected</p>
Other adverse effects:	<p>Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances</p> <p>Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).</p>
Corrosivity Characteristic:	No data available
General Notes:	Discharge into the environment must be avoided.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste.
Contaminated Packaging:	Handle uncleaned containers like the product itself.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Danger! H360 May damage fertility or the unborn child.
Risk Phrases:	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 and face protection
Safety Phrases:	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.
EU Regulations:	N/A
US Regulations:	TSCA: Listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Chronic Health Hazard SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

	Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: Reproductive toxicity (Cat. 1B)
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*