


Section 1: Identification

Common Name/Trade Name	TRIAMCINOLONE ACETONIDE MICRO USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Aristocort; Flutone; Nasacort; Rineton; Tramacin; Vetalog	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Repr. 2; H361d	
Signal Word	Warning	
Hazard Statement(s)	H315 H319 H335 H361d	Causes skin irritation Causes serious eye irritation May cause respiratory irritation Suspected of damaging the unborn child
Pictogram(s)		
Precautionary Statement(s)	P260 P262 P312	Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Call a POISON CENTER or doctor/physician if you feel unwell.
Hazards Not Otherwise Classified	Not available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	Pregna- 1,4- diene-3,20- dione, 9- fluoro- 11,21- dihydroxy-, 16,17 -[[(1- methylethylidene)b is(oxy)]- (11β, 16a)
Common Name	Triamcinolone acetonide
CAS Number	76-25-5
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Notes to Physician Treat symptomatically.
If Inhaled	If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Remove from exposure, lie down.
In Case of Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Clean mouth with water, only if the person is in conscious. Get medical attention.
Most Important Symptoms and Effects	Irritation: Irritating to eyes, respiratory system and skin. Corrosivity: No information available Sensitization No information available Eyes: May cause irritation, Elevation in intraocular pressure, Glaucoma, Cataracts Skin: May cause irritation, Skin rash, Urticaria, Pruritus, Erythema, Edema, Hirsutism, Dryness, Folliculitis, Acne Inhalation: May cause irritation. Rhinitis. Pharyngitis. Epistaxis. Dry throat. Dry nose. Nasal congestion. Sinusitis. Itching. Ingestion: May cause irritation

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray. Carbon dioxide (CO 2). Foam.Dry powder.
Special Hazards Arising From the Substance/Mixture	Thermal decomposition can lead to release of irritating gases and vapors. Combustible material.
Special PPE and/or Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Use personal protective equipment. Avoid contact with dusts/fumes/mists/vapors.
Methods and Materials Used for Containment	Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so.
Cleanup Procedures	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). If emergency, enforce internal emergency plan.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors/dust. Provide appropriate exhaust ventilation at places where dust is formed. Handle in accordance with good industrial hygiene and safety practice.
Conditions for Safe Storage	Keep at temperatures 25-30 °C. Excursions permitted to 15-35 °C. Protect from light. keep in well closed containers. Keep away from heat. Store in accordance with local regulations.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No occupational exposure limit values have been defined by Authorities in production Country
Appropriate Engineering Controls	Provide engineering control. Handle in accordance with good industrial hygiene and safety practice. Environmental exposure controls: Ensure local dust collection system.
PPE - Eye/Face Protection	Approved safety goggles/glasses.
PPE - Skin Protection	Rubber/latex/neoprene or other suitable chemical resistant gloves.
PPE - Body Protection	Long sleeved clothing.
PPE - Respiratory Protection	Approved full face respirator P3 or airline respirator.

Section 9: Physical and Chemical Properties

Appearance	White Almost white crystalline powder.
Upper/Lower Flammability or Explosive Limits	No information available.
Odor	Odourless
Vapor Pressure	No information available.
Odor Threshold	No information available.
Vapor Density	No information available.
pH	No information available.
Relative Density	1.33 g/cm ³ (pred)
Melting Point/Freezing Point	292 - 294 °C
Solubility	Water Solubility: Practically insoluble
Initial Boiling Point and Boiling Range	576.9 °C (Predicted)
Flash Point	302.7 °C (Predicted)
Evaporation Rate	No data available
Flammability (Solid, Gas)	No information available.
Partition Coefficient	Octanol/water Partition Coefficient (Log Kow) 2.428 (pred)
Auto-Ignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Toxic fumes of . Carbon monoxide (CO). Carbon dioxide (CO 2). Hydrogen fluoride.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral rat 6300 mg/kg LD50 Subcutaneous rat 13.1 mg/kg LD50 Oral mouse 5000 mg/kg LD50 Subcutaneous mouse 132 mg/kg LD50 Intraperitoneal mouse 105 mg/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No information available
Serious Eye Damage/Irritation	May cause irritation, Elevation in intraocular pressure, Glaucoma, Cataracts
Respiratory or Skin Sensitization	May cause irritation. Rhinitis. Pharyngitis. Epistaxis. Dry throat. Dry nose. Nasal congestion. Sinusitis. Itching.
Germ Cell Mutagenicity	No evidence of mutagenicity was detected from in vitro tests (a reverse mutation test in Salmonella bacteria and a forward mutation test in Chinese hamster ovary cells)
Carcinogenicity IARC	Not listed by IARC, NTP and OSHA. In a two-year study in rats, the product caused no treatment-related carcinogenicity at oral doses up to 1.0 mg/kg. In a two- year study in mice, the product caused no treatment-related carcinogenicity at oral doses up to 3.0 mg/kg.
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	Not listed by IARC, NTP and OSHA. In a two-year study in rats, the product caused no treatment-related carcinogenicity at oral doses up to 1.0 mg/kg. In a two- year study in mice, the product caused no treatment-related carcinogenicity at oral doses up to 3.0 mg/kg.
Carcinogenicity OSHA	Not listed by IARC, NTP and OSHA. In a two-year study in rats, the product caused no treatment-related carcinogenicity at oral doses up to 1.0 mg/kg. In a two- year study in mice, the product caused no treatment-related carcinogenicity at oral doses up to 3.0 mg/kg.
Reproductive Toxicity	The product was teratogenic in rats, rabbits and monkeys. In rats and rabbits Triamcinolone was teratogenic at inhalation doses of 20 mg/kg and above. In monkeys the product was teratogenic at an inhalatio n dose of 500 mg/kg. Doserelated teratogenic effects in rats and rabbits included cleft palate and/or internal hydrocephaly and axial skeletal defects, whereas the effects observed in the monkey were cranial malformations. Effects in humans are not conclusive and asthmatic patients use corticosteroids during pregnancy without adverse outcome. However, in some studies use during pregnancy has been associated with an increased risk of cleft palate and impaired fetal growth
Specific Target Organ Toxicity - Single Exposure	No information available
Specific Target Organ Toxicity - Repeated Exposure	No information available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	No information available
Persistence and Degradability	Hazard of persistence may be possible
Bio-accumulative Potential	Not expected to bioaccumulate : Log Po/w <3 (EC) or <4 (GHS)
Mobility in Soil	No information available
Other Adverse Effects	Endocrine Disruptor Information Not available for data lacking

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of in accordance with local regulations.
Waste Treatment Methods Packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	No information Available

Section 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture: D.Lgs. 81/2008 and successive modifications and Dir. 2009/161/UE, Regulation 1272/2008 (CLP) and successive modifications - Regulation 1907/2006/CE (REACH) and successive modifications - Regulation 453/2010/CE Annex I - Dir. 67/548/CE and 1999/45/CE and successive modifications. International Inventories: All of the components in the product are on the following Inventory lists: TSCA Listed, EINECS/ELINCS -, DSL/NDL -, PICCS -, ENCS -, IECSC -, AICS -, KECL -, Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory, EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List, PICCS - Philippines Inventory of Chemicals and Chemical Substances, ENCS - Japan Existing and New Chemical Substances, IECSC - China Inventory of Existing Chemical Substances SECTION 15. Regulatory information AICS - Australian Inventory of Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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