

SAFETY DATA SHEET



Humco Holding Group, Inc.
7400 Alumax Dr
Texarkana TX 75501 USA
800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300

All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: ALPROSTADIL

CONCENTRATE SDS NO. 8102

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Alprostadil

Synonyms: Prostaglandin E1

Recommended Use: Pharma excipient

Manufacturer/Supplier: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Acute Tox. 3 and Repr. 1A
Signal Word:	Danger
Hazard Statements:	Toxic if swallowed, may damage fertility or the unborn child.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
ALPROSTADIL	745-65-3
PROSTAGLANDIN E1	

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
General Information	Not determined	Immediately remove any clothing soiled by the product.
Inhalation	Not determined	In case of irregular breathing or respiratory arrest, provide artificial respiration. In case of unconsciousness place patient stably on side position for transport.
Ingestion	Not determined	Do not induce vomiting. Seek immediate medical attention if unconscious or irritation persists. Do not give anything by mouth to a person who is not fully conscious.
Skin	Not determined	Flush thoroughly with water. If irritation persists, consult physician.
Eyes	Not determined	Flush thoroughly with water. Consult physician.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not Determined
Auto Ignition:	Not Determined
Extinguishing Media:	Water, Dry Foam, Carbon Dioxide
Products of Combustion:	Carbon Monoxide or Carbon Dioxide
Fire Fighting Equipment and Procedures:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Not required
Environmental Precautions:	Not Determined
Method of Containment:	Dispose contaminated material as waste according to item 13 See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

	See Section 13 for disposal information.
Method for Clean-Up:	Absorb with inert material and dispose in appropriate waste disposal. Complete cleaning by mopping area.

7. HANDLING AND STORAGE

Handling:	Keep in closed containers, Dust container thoroughly, open and handle container with care.
Storage:	Store in tightly sealed original container preferably in a well-ventilated temperature controlled environment from 56 – 85 ° C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Normal room ventilation is usually adequate under normal use.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Goggles
Skin Protection:	Gloves
Respiratory Protection	Well-ventilated area
General Hygiene Considerations:	Always follow good hygienic practices. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crystalline powder, white	Upper/Lower Flammability:	Product is not flammable.
Odor:	Odorless	Vapor Pressure	Not Determined
Odor Threshold:	Not Determined	Vapor Density:	Not Determined
pH:	Not applicable	Relative Density:	Not Determined
Melting point /Freezing Point:	110-116 °C (230-241 °F)	Solubilities:	Not Determined
Boiling point/range:	Not Determined	Partition coefficient: n-octanol/water:	Not Determined

Flash point	Not Determined	Auto-ignition temperature	Not Determined
Evaporation rate	Not Determined	Decomposition Temperature:	Not Determined
Flammability:	Not Determined	Viscosity	Not Determined

10. STABILITY AND REACTIVITY

Reactivity:	No further relevant information available.
Chemical Stability:	Stable
Possibility of Hazardous reactions:	No further relevant information available.
Conditions to Avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous Decomposition Products:	No further relevant information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Toxic if swallowed.
Skin irritation:	Based on available data, this classification criteria are not met.
Eye contact damage:	Based on available data, this classification criteria are not met.
Respiratory damage:	Based on available data, this classification criteria are not met.
Ingestion overdose:	Toxic if swallowed.
Delayed, immediate, or chronic effects from short- and long-term exposure	Not Determined
LD50	Oral LD50 228 mg/kg (Rat)
Symptoms associated with exposure:	Based on available data, this classification criteria are not met.
Carcinogenicity:	
OSHA:	Substance not listed.

NTP:	Substance not listed.
IARC:	Substance not listed.

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	No further relevant information available.
Chemical degradation:	No further relevant information available.
Biodegradation:	No further relevant information available.
Bioaccumulation potential	No further relevant information available.
Adsorption studies or leaching studies:	No further relevant information available.
Other adverse effects	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	6.1 Toxic Substances
UN number:	UN2811
UN proper shipping name:	Toxic solids, organic, n.o.s. (Alprostadiol, Prostaglandin E1)
Transport hazard class(es):	6.1 Toxic Substances
Packing group number:	III
Environmental hazards:	No
Special precautions:	Warning: Toxic Substances

15. REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

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