



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: TRETINOIN, USP**

**SDS NO. 8084**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Tretinoin, USP

**Synonyms:**

**Recommended Use:** Active Pharmaceutical Ingredient

**Manufacturer by:** Humco Holding Group, Inc.

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### 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Acute toxicity, Oral (Category 4), H302 Acute aquatic toxicity (Category 2), H401 Concentration 90-100 %
<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	Acute Tox. 4; Aquatic Acute 2;H302, H401

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
Tretinoin Pennsylvania Right to know Components	302-79-4
Tretinoin New Jersey Right to know Components	302-79-4
Tretinoin No components are subject to the Massachusetts Right to Know Act.	302-79-4

Tretinoin California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	302-79-4
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The exact percentage has been withheld as a trade secret

#### 4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Not determined	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Not determined	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Skin	None expected	Wash off with soap and plenty of water. Consult a physician.
Eyes	Not determined	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### 5. FIRE-FIGHTING MEASURES

Flash Point:	Not determined.
Auto Ignition:	Not determined.
Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Products of Combustion:	Not determined.
Fire Fighting Equipment and Procedures:	Wear self-contained breathing apparatus for firefighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	<p>Read entire label before using and follow all label directions.</p> <p><b>PERSONAL PROTECTIVE EQUIPMENT</b></p> <p><b>Eye/face protection</b> Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p><b>Skin protection</b> Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p><b>Body Protection</b> Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p><b>Respiratory protection</b> For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use</p>
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	respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Environmental Precautions:</b>	Do not let product enter drains.
<b>Method of Containment:</b>	<p><b>Small Spill:</b> Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.</p> <p><b>Large Spill:</b> Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Close container and move it to a secure holding area.</p>
<b>Method for Clean-Up:</b>	Ventilate area of spill or leak. Sweep or scrap up and containerize in approved chemical waste container. Wash spill area with water.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling.
<b>Storage:</b>	Store in a cool, dry place.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection:</b>	None needed under normal use.
<b>Skin Protection:</b>	None needed under normal use.
<b>Respiratory Protection</b>	None needed under normal use.
<b>General Hygiene Considerations:</b>	Wash hands after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Yellow or light-orange, crystalline powder	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	Characteristic	Vapor Pressure	Not determined
<b>Odor Threshold:</b>	Not determined	Vapor Density:	Not determined
<b>pH:</b>	Not determined	Relative Density:	Not determined
<b>Melting point /Freezing Point:</b>	Not determined	Solubilities:	Not soluble
<b>Boiling point/range:</b>	Not determined	Partition coefficient: n-octanol/water:	Not determined
<b>Flash point</b>	Not determined	Auto-ignition temperature	Not determined
<b>Evaporation rate</b>	Not determined	Decomposition Temperature:	Not determined
<b>Flammability:</b>	Not flammable	Viscosity	Not determined

**10. STABILITY AND RACTIVITY**

<b>Reactivity:</b>	Not reactive
<b>Chemical Stability:</b>	Stable under normal ambient temperatures (70°F)
<b>Possibility of Hazardous reactions:</b>	Not determined.
<b>Conditions to Avoid:</b>	Freezing and extreme heat
<b>Incompatible materials:</b>	Not determined
<b>Hazardous Decomposition Products:</b>	Not determined

**11. TOXICOLOGICAL INFORMATION**

<b>Acute toxicity:</b>	Not determined.
<b>Skin irritation:</b>	Not determined.
<b>Eye contact damage:</b>	Not determined.
<b>Respiratory damage:</b>	Not determined.
<b>Ingestion overdose:</b>	Not determined.
<b>Delayed, immediate, or chronic effects from short- and long-term exposure</b>	Not determined.
<b>LD50</b>	Not determined.
<b>Symptoms associated with exposure:</b>	Not determined.
<b>Carcinogenicity:</b>	
<b>OSHA:</b>	Not listed
<b>NTP:</b>	Not listed
<b>IARC:</b>	Not listed

**12. ECOLOGICAL INFORMATION**

<b>Acute or chronic aquatic toxicity:</b>	Not determined.
<b>Chemical degradation:</b>	Not determined.
<b>Biodegradation:</b>	Not determined.
<b>Bioaccumulation potential</b>	Not determined.
<b>Adsorption studies or leaching studies:</b>	Not determined.
<b>Other adverse effects</b>	Not determined.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

<b>DOT Hazard Classification:</b>	Non-Hazardous
<b>UN number:</b>	Not applicable
<b>UN proper shipping name:</b>	Not applicable

<b>Transport hazard class(es):</b>	Not applicable
<b>Packing group number:</b>	Not applicable
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions:</b>	Do not freeze, avoid extreme heat

## 15. REGULATORY INFORMATION

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Acute Health Hazard

## 16. OTHER INFORMATION

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.