



# CHONGQING HUAPONT PHARM.CO., LTD.

No. 69 Xingguang Avenue, Renhe Town, Yubei District, Chongqing 401121, China  
Tel: +86 23 67886928 Fax: +86 23 67886927, Email: [api@huapont.cn](mailto:api@huapont.cn) Web: <http://www.huapont.cn>

## MATERIAL SAFETY DATA SHEET

Ver. No.: Tre-2.4-2016

### Section 1: Chemical Product and Company Identification

#### Product identifier

Product name: Tretinoin  
Catalog No.: S1653  
CAS No.: 302-79-4

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, manufacture of substances.

#### Details of the supplier of the safety data sheet

Company: Manufactured by Chongqing Huapont Pharma. CO., LTD  
No.69 Xingguang Avenue, Renhe Town, Yubei District, Chongqing, China  
Website: <http://www.huapont.cn> E-mail: [api@huapont.cn](mailto:api@huapont.cn)

Tel: 86-23-67886928

Fax: 86-23-67886927

#### Emergency telephone number

Emergency phone #: 86-23-67886928

### Section 2: Hazards Identification

#### 2.1 Hazard Classification of the substance or mixture:

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

#### 2.2 GHS Label elements, including precautionary statements:

##### Pictogram



##### Signal Word

Warning

##### Hazard statement(s)

H302

Harmful if swallowed.

H410

Very toxic to aquatic life with long lasting effects.

##### Precautionary statement(s)

P264

Wash skin thoroughly after handling.



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P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P301+302	If swallowed: Call a poison center or doctor/ physician if you feel unwell.
P330	Rinse mouth.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Other hazards

None

## Section 3: Composition and Information on Ingredients

Name	Molecular Weight	CAS#	% by Weight
Tretinoin	300.4	302-79-4	100

**Synonyms:** (2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-enyl)nona-2,4,6,8-tetraenoic acid  
All-trans Retinoic Acid

## Section 4: First Aid Measures

### Description of first aid measures

#### Eye contact

Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

#### Skin contact

Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

#### Inhalation

Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

#### Ingestion

Wash out mouth with water; Do NOT induce vomiting; call a physician.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2).

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5: Fire Fighting Measures

### Extinguishing media

#### Suitable extinguishing media

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

### Special hazards arising from the substance or mixture



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During combustion, may emit irritant fumes.

### Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

### Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

### Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

## Section 7: Handling and Storage

### Precautions

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust.

Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

### Storage

Preserve in tight containers, under an atmosphere of an inert gas, protected from light. Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a well-ventilated place.

Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Recommended storage temperature: Store at room temperature.

### Specific end use(s)

No data available

## Section 8: Exposure Controls / Personal Protection

### Control parameters

### Components with workplace control parameters



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This product contains no substances with occupational exposure limit values.

## Exposure controls

### Engineering controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

### Personal protective equipment

#### Eye protection

Safety goggles with side-shields.

#### Hand protection

Protective gloves.

#### Skin and body protection

Impervious clothing.

#### Respiratory protection

Suitable respirator.

#### Environmental exposure controls

Keep the product away from drains, water courses or the soil.

Clean spillages in a safe way as soon as possible.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Appearance

Solid

#### Odor

No data available

#### Odor threshold

No data available

#### pH

No data available

#### Melting/freezing point

No data available

#### Boiling point/range

No data available

#### Flash point

No data available

#### Evaporation rate

No data available

#### Flammability (solid, gas)

No data available

#### Upper/lower flammability or explosive limits

No data available

#### Vapor pressure

No data available

#### Vapor density

No data available

#### Relative density

No data available

#### Water solubility

<1 mg/mL

#### Partition coefficient

No data available

#### Auto-ignition temperature

No data available

#### Decomposition temperature

No data available

#### Viscosity

No data available

#### Explosive properties

No data available

#### Oxidizing properties

No data available

### Other safety information

No data available.



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### Section 10: Stability and Reactivity Data

<b>Reactivity</b>	No data available.
<b>Stability:</b>	Stable.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions of instability</b>	No data available.
<b>Incompatibility</b>	Strong oxidizing agents, light.
<b>Hazardous decomposition products</b>	Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - no data available.

### Section 11: Toxicological Information

#### Information on toxicological effects

##### Acute toxicity

Acute oral toxicity (LD<sub>50</sub>): 1960 mg/kg [Rat].

##### Skin corrosion/irritation

Classified based on available data. For more details, see section 2.

##### Serious eye damage/irritation

Classified based on available data. For more details, see section 2.

##### Respiratory or skin sensitization

Classified based on available data. For more details, see section 2.

##### Germ cell mutagenicity

Classified based on available data. For more details, see section 2.

##### Carcinogenicity

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

##### Reproductive toxicity

Classified based on available data. For more details, see section 2.

##### Specific target organ toxicity - single exposure

Classified based on available data. For more details, see section 2.

##### Specific target organ toxicity - repeated exposure

Classified based on available data. For more details, see section 2.

##### Aspiration hazard

Classified based on available data. For more details, see section 2.

##### Additional information

RTECS No.: Unavailable

This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not



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been completely investigated.

### Section 12: Ecological Information

<b>Toxicity</b>	No data available.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No data available.
<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

### Section 13: Disposal Considerations

#### Waste treatment methods

#### Product

Dispose substance in accordance with prevailing country, federal, state and local regulations.

#### Contaminated packaging

Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

### Section 15: Other 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.

#### Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

#### New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

#### California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other



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reproductive harm.

### Section 16: Other Information

The above information is believed to be correct based on our present knowledge. The product is for research use only and for trained personnel. The burden of safe use of this material rests entirely with the user.

**References:** Available on request.

**Version No.:** TRE-2.4-2016

HUAPONT