



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

Retinol Acetate

1. Product Identification

Synonyms: Retinol, acetate; Retinyl acetate

CAS No.: 127-47-9

Molecular Weight: 328.50

Chemical Formula: $C_{22}H_{32}O_2$

Product Code: 045173

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Retinol Acetate	127-47-9	> 52%

3. Hazards Identification

Potential Health Effects

Eye: Contact may cause transient eye irritation.

Skin: May cause skin irritation. Low hazard for usual industrial handling

Ingestion: May cause digestive tract disturbances. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: Prolonged or repeated exposure may cause adverse reproductive effects.

4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions.

7. Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Store in a cool, dry place. Store in a tightly closed container

8. Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA - Final PELs</u>
Retinol acetate	none listed	none listed	none listed

OSHA Vacated PELs: Retinol, acetate: No OSHA Vacated PELs are listed for this chemical. Sunflower oil: No OSHA Vacated PELs are listed for this chemical. delta-Tocopherol: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and Chemical Properties

Physical state at 20°C : Solid.

Colour : Yellow powder

Odour : Amine like

Odour threshold : No data available.

pH value : No data available.

Melting point [°C]: 57 - 58 °C

Decomposition point [°C]: N/A

Critical temperature [°C]: N/A

Auto-ignition temperature [°C]: N/A

Flammability (solid, gas): N/A

Flash point [°C]: N/A

Boiling point [°C]: N/A

Initial boiling point [°C]: N/A

Final boiling point [°C]: N/A

Evaporation rate: N/A

Vapour pressure [20°C]: N/A

Vapour pressure mm/Hg: N/A

Vapour density: N/A



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

Density [g/cm³]: N/A
Relative density, gas (air=1): N/A
Relative density, liquid (water=1): N/A
Solubility in water [% weight]: Insoluble in water
Solubility in water: N/A
Log Pow octanol / water at 20°C: No data available.
Solubility: N/A
Viscosity at 40°C [mm²/s]: N/A

10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Oxidizes when exposed to air
Conditions to Avoid: Temperatures above 65C prolonged exposure to air, excess light.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, acetic acid.
Hazardous Polymerization: Will not occur.

11. Toxicological Information

CAS# 127-47-9:
Oral, mouse: LD50 = 4100 mg/kg;
Carcinogenicity:
CAS# 127-47-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found

13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not Regulated

15. Regulatory information

Safety, health and environmental: Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
Chemical Safety Assessment: It has not been carried out.

16. Other information

Product Use
Laboratory Reagent