

MATERIAL SAFETY - all-trans Retinal (Retinaldehyde)

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY INFORMATION

Product Name: all-trans Retinal (Retinaldehyde)
Supplier: Chanjao Longevity Co., Ltd. 50 Ramindra 14, Bangkhen, Bangkok 10230 Thailand
Emergency Phone No.: +662-002-7-002
Fax No.: +662-001-7-022

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Composition (%)
{all-trans-}Retinal	116-31-4	100

Hazard Symbols: Not listed
Risk Phrases: Not listed

3. HAZARD IDENTIFICATION

This product is not known to be hazardous but, as with all chemicals handle with care.

Potential Health Effects

Eye: Irritation can develop.
Skin: Irritation can develop.
Ingestion: Over-exposure can be hazardous.
Inhalation: Over-exposure can be hazardous.

4. FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact: Flush skin with plenty of soap and water – get medical attention if irritation occurs.
Inhalation: Remove to fresh air
Ingestion: Seek immediate medical attention if swallowed.

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5. FIRE FIGHTING MEASURES

General Information:

Non-flammable

Extinguishing Media:

Dry Chemical, Sand, Carbon Dioxide, Foam.

6. ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb into absorbent material. Wash area with soap and water.

7. HANDLING AND STORAGE

Handling:

Keep away from light and heat.

Storage:

Store in cool temperature below 15 Degree Celsius, kept container tightly closed. Do not expose to sunlight and heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection:

Eyes: Safety glasses.

Skin: Lab gloves.

Clothing: Lab clothes is required.

Respirators: Certified/Approved respirator is required.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Crystalline powder
Color:	Yellow/Orange
Odor:	Not available
Molecule Weight:	284.44g/mole
Melting Point:	134.6F
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

Stability:

Keep away from oxidizing agents, moisture and excessive heat.

11. TOXICOLOGICAL INFORMATION

Substance is generally non-toxic and non-irritant.

LD50/LC50: Not available.

Carcinogenicity: Not available.

12. ECOLOGICAL INFORMATION

Not available.

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13. DISPOSAL CONSIDERATION

Waste from Residue/Unused Products:

Dispose of in a manner consistent with federal, state, and local regulations.

This compound is NOT on the EPA Toxic Substances Control Act (TSCA) inventory list.

14. TRANSPORT REGULATIONS

IATA No information available.

IMO No information available.

RID/ADR No information available.

15. REGULATORY INFORMATION

This material is intended to be used as a cosmetic ingredient.

Hazard Symbol(s): Not available.

Risk Phrase(s): Not available.

16. OTHER INFORMATION

The information provided in this material safety data sheet is correct to the best of our knowledge. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Chanjao Longevity assumed no responsibility for any personal injury or property damage caused by the materials. Users assume all risks associated with the use of the materials.
