



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
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SAFETY DATA SHEET

Version: 1.0

Revision Date: 06/01/2023

1. Product and Company Identification:

Product: Retinaldehyde 6%

Item Code: 90056

Distributor: Shay and Company

2. Hazard Identification:

Hazard Symbol: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Risk Phrases:

Routes of entry: Eyes, skin, oral, inhalation

Acute Eye Contact: May cause mild reversible eye irritation.

Chronic Eye Contact: Chronic exposure not likely from normal use.

3. Composition/Information on Ingredients:

Ingredient Deck: Retinal, Water, Vegetable Glycerin, Caprylic/Capric Triglyceride, Polysorbate 80 (Vegetable Derived), Inulin Lauryl Carbamate, Sucrose Laurate, 1,2 Hexanediol, Hydroxyacetophenone

Composition/CAS no:

Retinal-	116-31-4	6%
Water-	7732-18-5	40-50%
Glycerin-	56-81-5	5-15%
Caprylic/Capric Triglyceride-	65381-09-1	20-30%
Polysorbate 80-	9005-65-6	5-15%
Inulin Lauryl Carbamate-	478483-27-1	0.1-0.5%
Sucrose Laurate-	37266-93-5	0.5-1.5%
1,2 Hexanediol-	6920-22-5	0.5%
Hydroxyacetophenone-	99-93-4	0.5%

Hazardous Ingredient/s: n/a

4. First Aid Measures:

Inhalation: Remove to fresh air; seek medical attention if irritation persists.

Eyes: Flush immediately with plenty of water; seek medical



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attention if irritation persists.

Skin: Wash with soap and water, seek medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting; drink 2-3 glasses of water, contact physician for further treatment.

5. Fire Fighting Measures:

Suitable Extinguishers: Co2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Extinguishers Not to be Used: none

Hazardous Decomposition Products: none

Special Fire Fighting Procedures: none

6. Accidental Release Measures:

Personal Precautions: none

Environmental Precautions: none

Clean Up Procedure: Soak up and dispose of according to local regulations.

Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

7. Handling and Storage:

Handling Precautions: Handle in accordance with good industrial hygiene and safety practice.

Storage Requirements: Keep in a dry, sealed container

Temp. Max: n/a

Temp. Min: n/a

8. Exposure Controls/Personal Protection:

Occupational Exposure Limit: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Respiratory Protection: Use with adequate ventilation

Eye Protection: Wear safety glasses

Skin Protection: Protective clothing is not necessary

9. Physical and Chemical Properties:

Description: Yellow free-flowing liquid; mild to no aroma

Flash Point: Not flammable

Boiling Point: no data available



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pH: 3.5-5.5

Solubility in Water (by weight):

10. Stability and Reactivity:

Condition to Avoid: none

Materials to Avoid: Moisture

Hazardous Decomposition Products: none

Stabilization Techniques: none; product is stable

11. Toxicological Information:

Acute Toxicity: Oral LD50 is anticipated to be >5g/kg based on testing of similar materials

Skin Corrosion/Skin Irritation: Non-corrosive/HRIPT results indicate product is non-irritating

Respiratory or Skin Sensitization: Not expected/HRIPT results indicate product is non-sensitizing

Serious Eye Damage/Eye Irritation: No data available

STOT-Single/STOT-repeated exposure: No data available

Carcinogenicity: None of the components are listed as carcinogenic by IARC, NTP, OSHA, ACGIH or the EU Substances Directive (EC) No 1272/2008 for CMR, categories 1A and 1B

Mutagenicity: AMES test results indicate that this product is non-mutagenic

Toxicity for reproduction: Not expected to affect reproduction or development

12. Ecological Information:

General Information: n/a

13. Disposal Considerations:

Handling Precautions: None

Method of Disposal: Dispose of accordance with local regulations.

Contaminated Packaging: Dispose of accordance with local regulations.

14. Transportation Information:

Non-Hazardous Cargo. No special Transporting facility required.

15. Regulatory Information:

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals



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16. Other Information:

N/A

The information provided above is intended only as a guide to the appropriate precautionary handling of the item. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Shay and Company believes the above information to be accurate based on the information available, however, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Shay and Company meets their quality requirements and is appropriate for the use to which the product is to be put.