SAFETY DATA SHEET

Safflower Oil (Hi-Oleic)

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS

SDS DATE	VERSION	PRODUCT CODE (SKU)	CAS NO.
10/29/2026	1.0 (Preliminary)	HIOL-SAFFLWR-16OZ	8001-23-8

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	**Safflower Oil (Hi-Oleic)**
Product code (SKU)	HIOL-SAFFLWR-16OZ
Chemical name / synonyms	INCI: Carthamus tinctorius (safflower) seed oil
CAS No.	8001-23-8
Product form	Substance

1.2 Recommended use and restrictions on use

Recommended use	Raw material for formulation and manufacture of cosmetic, personal-care and holistic products.
Uses advised against	None identified.

1.3 Responsible party and supplier

Supplier / responsible party	**LA Ingredients** 853 Sandhill Avenue Carson, CA 90746, USA
Email / website	support@laingredients.com laingredients.com

1.4 Emergency telephone number

Emergency telephone (24 hours)	**+1 656 232 3588** Hazmat Line Emergency Response (24 hours a day, 7 days a week)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture (GHS / OSHA HCS 2012)

Not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS, based on the source data.

2.2 GHS label elements

Signal word	None
Hazard statement(s)	None. Not applicable.
Precautionary statement(s)	None required for classification. See Sections 7 and 8 for good-practice handling.

2.3 Hazards not otherwise classified (HNOC)

Hot oil may cause thermal burns. Spilled oil creates a slipping hazard.

Rags, paper and other absorbent materials soaked with vegetable oil can heat up and ignite spontaneously if left in a pile or improperly discarded.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance. Single component.

Chemical name	CAS No.	EC No.	Concentration	GHS classification
Safflower oil (Carthamus tinctorius seed oil), high oleic	8001-23-8	—	100 %	Not classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

General advice	Remove contaminated, oil-soaked clothing. If symptoms develop or persist, get medical attention.
Inhalation	Not expected to be needed. If mist or fumes from heated oil are inhaled and symptoms occur, move to fresh air and get medical attention.
Skin contact	Wash with soap and plenty of water. Cool and treat burns if skin contact with hot oil occurs; get medical attention for burns.
Eye contact	Rinse with plenty of running water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.
Ingestion	First aid is normally not required. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, acute and delayed

No significant symptoms expected from normal handling.

Direct eye contact may cause temporary, mild irritation. Large ingestion may cause digestive upset (diarrhea).

4.3 Immediate medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Dry chemical powder, carbon dioxide, foam.
Unsuitable	Direct water jet on burning oil (may spread the fire). Water spray may be used to cool containers.

5.2 Special hazards arising from the substance or mixture

Combustible at high temperature; may burn above its flash point. Combustion products: carbon monoxide, carbon dioxide, smoke and irritating fumes.

Oil-soaked rags and absorbents may self-heat and ignite spontaneously.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and full protective clothing if necessary. Cool exposed containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special precautions for small spills. Wear gloves and eye protection for large spills (see Section 8). Spilled oil is slippery.

6.2 Environmental precautions

Prevent entry into drains, sewers and waterways. Notify the appropriate authorities if a large release reaches water.

6.3 Methods and materials for containment and cleaning up

Contain and absorb with an inert absorbent (cloth, sawdust, sand or similar). Collect into suitable, closed containers for disposal.

Clean the surface with soap and water. Large spills may be pumped into suitable containers.

Keep oily rags and absorbents away from ignition sources and dispose of them in a closed metal container.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep containers closed when not in use. Prevent spills and leaks. Avoid contact with eyes. Use good hygiene practice and wash hands after handling.

Use mechanical handling equipment for drums and heavy packages. Keep away from open flames and hot surfaces.

7.2 Conditions for safe storage, including incompatibilities

Store in a cool, dry, well-ventilated place, out of direct sunlight, in the original tightly closed container. Limit contact with air to protect quality.

Store away from strong oxidizing agents.

Do not store or heat above 60 °C (140 °F) for cosmetic use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limit established for this product.

Oil mist generated by heating, spraying or agitation should be controlled; vegetable oil mist is listed as an air contaminant in 29 CFR 1910.1000.

8.2 Appropriate engineering controls

Normal general ventilation is adequate. Use local exhaust if mist or fumes are generated.

8.3 Individual protection measures / personal protective equipment (PPE)

Eye / face	Safety glasses or goggles recommended, especially during bulk handling.
Skin / hands	Protective gloves recommended (heat-resistant gloves when handling hot oil).
Body	Normal work clothing. Slip-resistant footwear where spills may occur. Use heat-resistant protection when handling hot oil.
Respiratory	Not required under normal conditions of use.
Hygiene	Good personal hygiene. Wash hands after handling. Eyewash facilities and washing facilities should be accessible.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	Translucent light yellow

Odor	Characteristic, bland
Odor threshold	No data available
pH	Not applicable
Melting point / freezing point	No data available
Boiling point / range	No data available
Flash point	> 228 °C (> 442 °F)
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 / specific gravity	0.921–0.927 at 25 °C
Solubility in water	Insoluble
Solubility in other solvents	Soluble in vegetable oils
Partition coefficient (n-octanol/water)	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

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No dangerous reactions known under normal conditions of use.
10.2 Chemical stability	Stable under normal storage and handling conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerization will not occur. High surface-area exposure to oxygen (e.g., oil-soaked rags) can release heat.
10.4 Conditions to avoid	Excessive heat, open flames and ignition sources; prolonged heating above 60 °C for cosmetic use; light and prolonged air exposure (quality).
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	Does not decompose under normal conditions. In a fire: carbon monoxide, carbon dioxide, smoke and irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure	Skin and eye contact; ingestion; inhalation of mist if heated or sprayed.
Acute toxicity	Not classified. Described as non-toxic in the source data; no numeric LD50/LC50 values available.
Skin corrosion / irritation	Not classified. May cause slight irritation in sensitive individuals. Prolonged or repeated contact may cause drying.
Serious eye damage / irritation	Not classified. May cause slight, temporary eye irritation.
Respiratory or skin sensitization	Not classified. Not expected to be a sensitizer.
Germ cell mutagenicity	Not classified. No mutagenic effects reported.
Carcinogenicity	Not classified. No component present at 0.1% or more is listed as a carcinogen by IARC, NTP, ACGIH or OSHA.
Reproductive toxicity	Not classified. No reproductive toxicity reported.
STOT – single exposure	Not classified.
STOT – repeated exposure	Not classified.
Aspiration hazard	Not classified.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Low. Not expected to be harmful to aquatic organisms. Specific aquatic toxicity values: no data available.
12.2 Persistence and degradability	Readily biodegradable (> 90 % in OECD testing reported for equivalent vegetable oils).
12.3 Bioaccumulative potential	Low / not expected to bioaccumulate.
12.4 Mobility in soil	Low. Insoluble in water; floats on water.
12.5 PBT and vPvB assessment	No data available.
12.6 Other adverse effects	None known. Avoid release to the environment; oil films can physically affect aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Product	Recover spilled product where possible. Dispose of at an authorized disposal or recycling facility in accordance with federal, state and local regulations. Do not pour into drains or sewers.
Contaminated packaging	Empty containers completely. Dispose of as unused product, or recycle where facilities exist. Oil-soaked materials should be kept in closed metal containers pending disposal.

SECTION 14: TRANSPORT INFORMATION

DOT (US)	Not regulated as dangerous goods.
IMDG (sea)	Not regulated as dangerous goods.
IATA (air)	Not regulated as dangerous goods.

UN number / packing group	Not applicable.

SECTION 15: REGULATORY INFORMATION

OSHA HCS	Not classified as hazardous under 29 CFR 1910.1200 based on the source data.
TSCA	Inventory status is not stated consistently in the source data. To be confirmed with the supplier for the final SDS.
SARA 302 / 311-312 / 313	No SARA hazard categories and no reportable components per the source data.
California Proposition 65	No Proposition 65 listed chemicals reported in the source data.
Compliance	Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.

SECTION 16: OTHER INFORMATION

Date of issue / last revision	10/29/2026
Version	1.0 (Preliminary)
Supersedes	**None (first issue)**
Prepared by	LA Ingredients, 853 Sandhill Avenue, Carson, CA 90746 | support@laingredients.com
Basis of this SDS	PRELIMINARY. Compiled by LA Ingredients from two published safety data sheets for equivalent material (safflower oil, CAS 8001-23-8), revisions dated 12/17/2018 (rev. 06/11/2019) and 12/08/2023. The supplier-specific SDS was not yet available. This SDS will be superseded when it is.

Hazard ratings (as given by the manufacturer)

HMIS IV	Health 1 | Flammability 1 | Physical hazard 0

Key to abbreviations

CAS = Chemical Abstracts Service; GHS = Globally Harmonized System; OSHA HCS = OSHA Hazard Communication Standard; LD50 / LC50 = median lethal dose / concentration; PBT / vPvB = persistent, bioaccumulative, toxic / very persistent, very bioaccumulative; OECD = Organisation for Economic Co-operation and Development; DOT = US Department of Transportation; IMDG = International Maritime Dangerous Goods Code; IATA = International Air Transport Association; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; STOT = specific target organ toxicity; HMIS = Hazardous Materials Identification System; NFPA = National Fire Protection Association; RBD = refined, bleached, deodorized; IARC = International Agency for Research on Cancer; NTP = National Toxicology Program; ACGIH = American Conference of Governmental Industrial Hygienists.

Notes

This is a **Preliminary** SDS compiled by LA Ingredients from published safety data sheets for equivalent material, issued by two independent suppliers, because the product-specific supplier SDS was not yet available. Physical values (flash point, density, melting point) are typical or conservative values for the material and may differ from the lot supplied. This SDS will be superseded when the supplier-specific SDS is received.

The source data was for general safflower oil; no source data specific to the high-oleic grade was available.

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