

SAFETY DATA SHEET

SUNFLOWER ACID OIL

SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

1.1 Product identifier:	
CAS Number:-	8001-21-6
EC number:	232-273-9
1.2 SYNONYMS:	<ul style="list-style-type: none">• SAO• Sunflower FFA Oil (Free Fatty Acid Oil)• Sunflower Soap Stock Acid Oil• Sunflower Soapstock Acid Oil

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:	Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation.
2.2 Label elements:	Labelling according to Regulation (EC) No 1272/2008 None
Hazard Pictograms:	None
Signal Word:	No data available
Hazard statements:	No data available
Precautionary Statements:	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P310 + P330: IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405: Store locked up. P501: Dispose of contents/ container

	to an approved waste disposal plant.
2.3 Other hazards:	
Inhalation:	may cause mild respiratory irritation, including coughing or throat discomfort, especially in poorly ventilated areas.
Ingestion:	may cause gastrointestinal irritation, including nausea, vomiting, or diarrhea.
Skin Contact:	may cause irritation or redness, especially with prolonged or repeated exposure.
Eye contact:	may cause irritation, redness, and watering of the eyes.
Chronic Exposure:	may lead to persistent skin irritation or dermatitis and prolonged respiratory discomfort in individuals repeatedly exposed to mists or vapors.
Aggravation of pre-existing conditions:	Exposure to sunflower acid oil may worsen existing skin conditions, respiratory issues, or allergies in sensitive individuals.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 8001-21-6 SUNFLOWER ACID OIL
Identification number(s):	EC number: 232-273-9

SECTION 4: First aid measures

4.1 Description of first aid measures	
General information:	
After inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
After skin contact:	Remove contaminated clothing immediately. Wash with soap and water. Consult a physician.

After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
After swallowing:	Rinse mouth with water. Immediately after ingestion. If conscious, make victim drink two glasses at most immediately. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed:	The most important symptoms and effects of sunflower acid oil exposure include irritation of the skin, eyes, and respiratory tract, along with possible gastrointestinal discomfort if ingested, with prolonged exposure potentially causing dermatitis.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:	Dry sand. Do NOT use water jet
5.2 Special hazards arising from the substance or mixture:	Carbon oxides.
5.3 Advice for firefighters:	Wear fully protective suit, safety glasses and respiratory device. Cool tanks/drums with water spray/remove them into safety.
5.4 further information:	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Avoid dust accumulation. Seek medical attention.
6.2 Environmental precautions:	Do not enter this chemical into drains.

<p>6.3 Methods and material for containment and cleaning up:</p>	<p>Take up spill into absorbent material, e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Spill must not return in its original container. Do NOT use water jet for cleaning spills.</p>
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SECTION 7: Handling and storage

<p>7.1 Precautions for safe handling:</p>	<p>For use in are with adequate ventilation. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material Do not use in confined spaces. Electrostatic discharge protection. Minimize dust generation and accumulation. Avoid ingestion and inhalation.</p>
<p>7.2 Conditions for safe storage, including any incompatibilities:</p>	<p>Store in original containers. Keep containers securely sealed Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Store in a dry and dark area. Do not handle in flammable atmospheres.</p>
<p>Requirements to be met by storerooms and receptacles:</p>	<p>Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.</p>
<p>7.3 Specific end uses:</p>	<p>no data available</p>

SECTION 8: Exposure controls/personal protection

<p>8.1 Control parameters</p>	
<p>Additional information about design of technical facilities:</p>	<p>A system of local and general exhaust is recommended.</p>
<p>8.2 Exposure controls</p>	
<p>Appropriate engineering controls</p>	<p>Handle in accordance with good</p>

	industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
General protective and hygienic measures:	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	Respiratory protection: Required.
Protection of hands:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	Eye protection: Required
Protection of Body:	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance: Form:	Liquid
Colour:	Brown to Dark brown
Odour:	rancid odor
pH-value:	No data available
Melting point/Melting range:	-5 to 10°C (depend on FFA composition)
Boiling point/Boiling range:	Not determined
Flammability (solid, gaseous):	Combustible
Ignition temperature:	360°C
Decomposition temperature:	250°C
Self-igniting:	None
Flash point:	230°C
Danger of explosion:	None
Explosion limits: Lower:	No data available

Explosion limits: Upper:	No data available
Vapour pressure:	No data available
Density at 20 °C:	0.91 g/cm ³
Relative density:	0.91
Vapour density:	No data available
Evaporation rate:	No data available
Solubility in / Miscibility with- water at 20 °C:	InSoluble
Partition coefficient:(n- octanol/water)	6
Viscosity:	50 mPa.s at 20°C (Depends on FFA content)

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under room temperatures.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Heat
10.5 Incompatible materials	Strong oxidizing agents, acids, bases, reducing agents.
10.6 Hazardous decomposition products	Carbon oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat): no data available LD50 (Dermal, Rabbit): no data available LC50 (Inhalation Rat): no data available
Skin corrosion/Irritation:	no data available
Serious eye damage/irritation:	no data available
Respiratory damage/irritation:	No data available
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	no data available
Specific target organ toxicity - single exposure:	No data available
Specific target organ toxicity -	No data available

repeated exposure:	
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological information	
Biodegradability:	Readily Biodegradable

SECTION 12: Ecological information

12.1 Toxicity Aquatic toxicity:	LC50(fish): no data available EC50(daphnia): no data available ErC50(algae): no data available
12.2 Persistence and degradability:	Readily Biodegradable
12.3 Bioaccumulative potential:	no data available
12.4 Mobility in soil:	no data available
12.5 Other adverse effects:	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging Recommendation:	dispose of in accordance with local hazardous waste regulations
Recommended cleansing agents:	Dry sand.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN, IMDG, IATA:	Not applicable
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:	Not applicable
14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :	Not applicable
14.4 Packing group · ADR, IMDG, IATA:	Not applicable
14.5 Environmental hazards:	None
14.6 Special precautions for user:	Handle responsibly.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU	Directive 2012/18/EU, under that this substance is not classified in listed substance
Named dangerous substances:	This substance is not listed in the

	annex to the directive.
15.2 Chemical safety assessment:	Chemical assessment has not been carried out.

SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.