

1-Oleoyl-2-acetyl-sn-glycerol (OAG): sc-200417



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: 1-Oleoyl-2-acetyl-sn-glycerol (OAG)
Catalog Number: sc-200417
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Emergency:
ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

Synonyms: 1-O-9Z-octadecenoyl-2-O-acetyl-sn-glycerol; OAG;

2. Hazards Identification

Emergency Overview: Harmful.
Highly Flammable.
Target Organ(s): cardiovascular system, central nervous system, kidneys, liver, respiratory system.

Route(s) of Entry: The hazards identified with this product are those associated with the solvent(s).
Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection

Health Hazards (Acute and Chronic): Can cause fatal cyanide poisoning.
Contact may cause eye irritation.
Harmful if swallowed, inhaled, or absorbed through the skin.
May cause skin or respiratory system irritation.
May be fatal if swallowed, inhaled, or absorbed through skin.
Several hours may elapse from exposure to onset of symptoms.
The toxicological properties of this product have not been fully evaluated.

LD 50 / LC 50: Please refer to Section 11.

Signs and Symptoms Of Exposure: Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper instructions. The onset of symptoms is generally delayed pending conversion to cyanide.
Nausea, vomiting, diarrhea, headache, dizziness, rash, cyanosis, excitement, depression, drowsiness, impaired judgement, lack of coordination, stupor, death.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC#	RTECS #
1. 1-Oleoyl-2-acetyl-sn-glycerol	86390-77-4	2.5 %	NA	NA
2. Acetonitrile	75-05-8	97.5 %	200-835-2	AL7700000

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Note to Physician: Acetonitrile is metabolized to cyanide. Patients with significant exposures must be observed for signs of cyanide poisoning and treated accordingly.

5. Fire Fighting Measures

Flash Pt: 2.00 C Method Used: Closed Cup
Explosive Limits: LEL: 3.0% at 25.0 C UEL: 16.0% at 25.0 C

Autoignition Pt: 524.00 C

Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Note: Flammable as diluted in acetonitrile

Unusual Fire and Explosion Hazards: Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.
Container explosion may occur under fire conditions.
Emits toxic fumes under fire conditions.
Sensitive to static discharge.
Vapors can travel to a source of ignition and flash back.

Hazardous Combustion Products: No data available.

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Avoid release into the environment.
Avoid breathing vapors and provide adequate ventilation.
Remove all sources of ignition.
As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. Handling and Storage

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.
Wash thoroughly after handling

Precautions To Be Taken in Handling: Avoid breathing (dust, vapor, mist, gas).
Avoid prolonged or repeated exposure.
Keep away from sources of ignition.
Prevent the build up of electrostatic charge.

Precautions To Be Taken in Storing: Keep away from heat, sparks, and flame.
Keep tightly closed.
Store at correct temperature.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. 1-Oleoyl-2-acetyl-sn-glycerol	86390-77-4	No data.	No data.	No data.
2. Acetonitrile	75-05-8	40 ppm	20 ppm	No data.

Protective Equipment Summary - Hazard Label Information: Compatible chemical-resistant gloves Eye wash station in work area Lab coat Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type): NIOSH approved respirator, as conditions warrant.

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Work/Hygienic/Maintenance Practices: Do not take internally.
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States: Gas Liquid Solid

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: 524.00 C

Flash Pt: 2.00 C Method Used: Closed Cup

Explosive Limits:	LEL: 3.0% at 25.0 C UEL: 16.0% at 25.0 C
Specific Gravity (Water = 1):	No data.
Bulk density:	No data.
Vapor Pressure (vs. Air or mm Hg):	73 MM_HG at 20.0 C
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	No data.
Percent Volatile:	No data.
Heat Value:	No data.
Particle Size:	No data.
Corrosion Rate:	No data.
Formula:	C23H42O5
Molecular Weight:	398.60
pH:	No data.
Appearance and Odor:	No data available.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	heat, flames and sparks
Incompatibility - Materials To Avoid:	acids bases oxidizing agents reducing agents alkali metals
Hazardous Decomposition Or Byproducts:	carbon dioxide carbon monoxide hydrogen cyanide nitrogen oxides
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

:	The toxicological effects of this product have not been thoroughly studied.
	Acetonitrile - Toxicity Data: Oral LD50 (rat): 2,460 mg/kg; Inhalation LC50 (rat): 7,551 ppm (8h); Dermal LD50 (rabbit): 980 mg/kg; Irritation Data: Skin (rabbit) mild; Eyes (rabbit): moderate.
Chronic Toxicological Effects:	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Acetonitrile RTECS Number: AL7700000
Carcinogenicity/Other Information:	No data available.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

:	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
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13. Disposal Considerations

Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations.
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14. Transport Information

LAND TRANSPORT (US DOT)	
DOT Proper Shipping Name	Acetonitrile
DOT Hazard Class:	3
DOT Hazard Label:	FLAMMABLE LIQUID

UN/NA Number: 1648
Packing Group: II
LAND TRANSPORT (European ADR/RID)
ADR/RID Shipping Name Acetonitrile
UN Number: 1648
Packing Group: II
AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name Acetonitrile
UN Number: 1648
Packing Group: II
IATA Classification: 3
Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes F: Highly Flammable; Xn: Harmful

European Community Risk and Safety Phrases

- R11 - Highly flammable.
- R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
- R36 - Irritating to eyes.
- S16 - Keep away from sources of ignition.
- S36/37 - Wear suitable protective clothing and gloves.

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. 1-Oleoyl-2-acetyl-sn-glycerol	86390-77-4	No	No	No	No
2. Acetonitrile	75-05-8	No	Yes 5000 LB	Yes	No

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPV
1. 1-Oleoyl-2-acetyl-sn-glycerol	86390-77-4	HAP, ODC ()	No	No	
2. Acetonitrile	75-05-8	HAP, ODC ()	No	Inventory, 8A PAIR	

16. Other Information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.