


SAFETY DATA SHEET

Monoolein (1-O-Oleoyl-rac-glycerol) [111-03-5]

Section 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name:	Monoolein (1-O-Oleoyl-rac-glycerol)
CAS number:	111-03-5
Product code:	NB-39-00030-1G
Synonyms:	Monoolein (1-O-Oleoyl-rac-glycerol)
1.2. Relevant identified uses of the substance or mixture and uses advised against	
1.3. Details of the supplier of the safety data sheet	
Company name:	Neo Biotech
	74, rue des suisses
	92000 Nanterre – France
Tel:	+33 9 77 40 09 09
Fax:	+33 9 77 40 10 11
Email:	info@neo-biotech.com
Section 2: Hazards identification	
2.1. Classification of the substance or mixture	
Classification under CLP:	STOT SE 3 : H335 ; Eye Irrit. 2 : H319 ; Skin Irrit. 2: H315
Most important adverse effects:	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
2.2. Label elements	
Label elements:	
Hazard statements:	H315: Causes skin irritation. H319: Causes serious eye irritation H335: May cause respiratory irritation.
Hazard pictograms:	GHS07: Exclamation mark 

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Signal words:	Warning
Precautionary statements:	P261: Avoid breathing dust. P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves/protective clothing/eye protection/face protection.
2.3. Other hazards	
PBT:	This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity:	Monoolein (1-O-Oleoyl-rac-glycerol)
CAS number:	111-03-5

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media:	Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used.
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5.2. Special hazards arising from the substance or mixture	
Exposure hazards:	In combustion emits toxic fumes. Nitrogen oxides (NOx).
5.3. Advice for fire-fighters	
Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	
Personal precautions:	Refer to section 8 of SDS for personal protection details. If outside Do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.
6.2. Environmental precautions	
Environmental precautions:	Do not discharge into drains or rivers.
6.3. Methods and material for containment and cleaning up	
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate method.
6.4. Reference to other sections	

Section 7: Handling and storage	
7.1. Precautions for safe handling	
Handling requirements:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Only use in fume hood.
7.2. Conditions for safe storage, including any incompatibilities	
Storage conditions:	Store in a cool, well-ventilated area. Keep container tightly closed. Product is hygroscopic. Take precautions to avoid contact with atmospheric moisture. Store under Argon. Store at -20 °C.
Suitable packaging:	Must only be kept in original packaging.
7.3. Specific end use(s)	
Specific end use(s):	No data available.

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Section 8: Exposure controls/personal protection	
8.1. Control parameters	
Workplace exposure limits:	No data available.
DNEL/PNEC Values	
DNEL / PNEC	No data available.
8.2. Exposure controls	
Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.

Section 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
State:	Powder
Colour:	White
Solubility in water:	Soluble
Melting point/range°C:	36°C
9.2. Other information	
Other information:	No data available.

Section 10: Stability and reactivity	
10.1. Reactivity	
Reactivity:	Stable under recommended transport or storage conditions.
10.2. Chemical stability	
Chemical stability:	Stable under normal conditions.
10.3. Possibility of hazardous reactions	
Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions.

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10.4. Conditions to avoid	
Conditions to avoid:	Heat. Moist air. Humidity.
10.5. Incompatible materials	
Materials to avoid:	Strong oxidising agents. Strong acids.
10.6. Hazardous decomposition products	
Haz. decomp. products:	In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrogen oxides (NOx).

Section 11: Toxicological information		
11.1. Information on toxicological effects		
Relevant hazards for product:		
Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
11.2. Symptoms / routes of exposure		
Skin contact:	There may be irritation and redness at the site of contact.	
Eye contact:	There may be irritation and redness. The eyes may water profusely.	
Ingestion:	There may be soreness and redness of the mouth and throat.	
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.	

Section 12: Ecological information	
12.1. Toxicity	
Ecotoxicity values:	No data available.
12.2. Persistence and degradability	
Persistence and degradability:	No data available.
12.3. Bioaccumulative potential	
Bioaccumulative potential:	No data available.

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12.4. Mobility in soil	
Mobility:	No data available.
12.5. Results of PBT and vPvB assessment	
PBT identification:	This product is not identified as a PBT/vPvB substance.
12.6. Other adverse effects	
Other adverse effects:	No data available.

Section 13: Disposal considerations	
13.1. Waste treatment methods	
Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company. Material should be disposed of in accordance with local, state and federal regulations.
Disposal of packaging:	Dispose of as special waste in compliance with local and national regulations Observe all federal, state and local environmental regulations.
NB:	The user's attention is drawn to the possible existence of regional ornational regulations regarding disposal.

Section 14: Transport information	
14.1. UN number	
UN number:	UNnone
14.2. UN proper shipping name	
Shipping name:	Not classified as dangerous in the meaning of transport regulations.
14.3. Transport hazard class(es)	
14.4. Packing group	
14.5. Environmental hazards	
Environmentally hazardous:	No
14.6. Special precautions for user	

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Section 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.2. Chemical Safety Assessment	
Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information	
Other information	
Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.
Phrases used in s.2 and s.3:	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.
Legal disclaimer:	The material is intended for research purposes only and should be handled exclusively by those who have been fully trained in safety, laboratory and chemical handling procedures. The above information is believed to be correct to the best of our knowledge. The above information is believed to be correct to the best of our knowledge at the date of its publication, but should not be considered to be all inclusive. It should be used only as a guide for safe handling, storage, transportation and disposal. We cannot guarantee that the hazards detailed in this document are the only hazards that exist for this product. This is not a warranty and Neobiotech shall not be held liable for any damage resulting from handling or from contact with the above product.