



Safety Data Sheet

Cat. # RC-118

Mineral Oil

Size: 500ml





Mineral Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 5/11/2017 Version: 1.1

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

1.1. Product identifier

Product form	: Mixture
Product name	: Mineral Oil
EC-No.	: 232-455-8
CAS-No.	: 8042-47-5
Product code	: 112M
Type of product	: Mixture of hydrocarbons, Group
Synonyms	: actipron / adepsine oil / albolene / alboline / amilee / amoco white oil no. 8-T / arcoprime / atoleine / atolin / auschem IB/14-F / bakuroil / bayol 55 / BAYOL 82 / bayol F / blandine / blandilube / CARNATION, white mineral oil, WITCO / CLAIRSOL 370 / CLAIRSOL 430 / CLAIRSOL 440 / cleardeck / crysmalin / crystosol / deeline / drakeol / energol WM2 / energol WM4 / filtrawhite / FINAVESTAN A100B / FINAVESTAN A120B / FINAVESTAN A210B / FINAVESTAN A250B / FINAVESTAN A300B / FINAVESTAN A50B / FINAVESTAN A70B / fonoline / frigol / fyzol / glyco / glycoline / glymol / hevYTECK / hydrocarbon oil / internol / interol / kaydol / kaydol white mineral oil USP / kondremul / kremol / LB14F, auschem / lignite oil / lilyolene / liquid petrolatum / liquid petrolatum, light / liquid petrolatum, usp XIV / liquid vaseline / MARCOL 52 / medicinal white oils / metro mineral seal oil / mineral glycerin / mineral oil 19 usp / mineral oil 35 usp drakeol / mineral oil 350 usp / mineral oil 350 usp sontex / mineral oil 5 nf drakeol / mineral oil 55 NF sontex-olare / mineral oil 55 sontex / mineral oil 8T / mineral oil 90 usp / mineral oil U.S.P. / mineral oil, white / mineral oils, refined / mineral syrup / minol(=petroleum oils, pure) / molol / multitherm PG-1 heat transfer fluid / muthol / neo-cultol / neutralol / nujol / paraffin liquid medicinal / paraffin liquid, usp / paraffin oil, white / PARASET 26 L / PARASET 29 L / PARASET 32 L / parol / paroleine / paroline / penetec / penreco / perfecta / petralol / petro / petrogalar / petrolatum, liquid / petrolax / petrolia / petrolol / petronol / petrosio / PILOT 261 / PILOT 291 / plastol 135 / PRIMOL 187 / PRIMOL 352 / primol 355 / primol D / protol white mineral oil / protopet / renite RW-1 / ROLLSOLV 100 / russian mineral oil / russol / saxol / seneprolin / slab oil / sontex / stanolax / stanolind(=petroleum oils, pure) / tech pet F / terraline / terroline / usoline / volck / white mineral oil / white mineral oil (petroleum) / white mineral oil LB14-F / white mineral oil, usp/NF / white mineral oil, protol / white mineral oil CARNATION / white oil / white oil 12, 40, 68 / witco kaydol
Product group	: Raw material
BIG No	: 09710

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category	: Research purposes
Use of the substance/mixture	: Pesticide: wetting agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Geno Technology, Inc./ G-Biosciences
9800 Page Avenue
63132-1429 Saint Louis - United States
T 800-628-7730 - F 314-991-1504
technical@GBiosciences.com - www.GBiosciences.com

1.4. Emergency telephone number

Emergency number : Chemtrec **1-800-424-9300** (USA/Canada), **+1-703-527-3887** (Intl)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral Oil	(CAS-No.) 8042-47-5 (EC-No.) 232-455-8	100	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Give activated charcoal. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell.

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

Symptoms/effects after inhalation	: No effects known.
Symptoms/effects after skin contact	: ON CONTINUOUS EXPOSURE/CONTACT: Skin rash/inflammation.
Symptoms/effects after eye contact	: Slight irritation.
Symptoms/effects after ingestion	: No effects known.
Chronic symptoms	: No effects known.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (not alcohol-resistant).
Unsuitable extinguishing media	: Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Temperature above flashpoint: higher fire/explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions	: No specific fire-fighting instructions required.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Protective clothing.
Emergency procedures	: Mark the danger area. No naked flames. Wash contaminated clothes.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Prevent spreading in sewers.

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6.3. Methods and material for containment and cleaning up

- For containment : Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill.
- Methods for cleaning up : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from naked flames/heat. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Do not discharge the waste into the drain. Keep container tightly closed.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources.
- Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents.
- Storage area : Store at ambient temperature. Ventilation at floor level. Provide for a tub to collect spills. Meet the legal requirements.
- Special rules on packaging : SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
- Packaging materials : SUITABLE MATERIAL: metal. glass. synthetic material.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mineral Oil (8042-47-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	220 mg/m ³
Long-term - systemic effects, inhalation	160 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	40 mg/m ³
Long-term - systemic effects, inhalation	35 mg/m ³
Long-term - systemic effects, dermal	93 mg/kg bw/day

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Materials for protective clothing:

GIVE GOOD RESISTANCE: nitrile rubber. viton. PVC. neoprene. GIVE LESS RESISTANCE: chloroprene rubber. neoprene. GIVE POOR RESISTANCE: butyl rubber

Hand protection:

Gloves

Eye protection:

Not required for normal conditions of use

Skin and body protection:

Protective clothing

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Respiratory protection:

Full face mask with filter type K at conc. in air > exposure limit

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: Mild odour. Hydrocarbon odour.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 280 °C
Flash point	: 205 °C
Auto-ignition temperature	: > 320 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: < 0.005 hPa (20 °C)
Relative vapour density at 20 °C	: > 1
Relative density	: 0.865
Density	: 860 (820 - 900) kg/m ³
Solubility	: Insoluble in water. Soluble in ether. Soluble in chloroform. Soluble in petroleum spirit. Soluble in ligroin. Soluble in carbondisulfide. Soluble in glycerol. Soluble in oil. Water: < 0.1 g/100ml Ether: soluble
Log Pow	: 5.6 - 25 (Calculated, EPIWIN)
Viscosity, kinematic	: 31 mm ² /s (40 °C)
Viscosity, dynamic	: 0.038 Pa·s (38 °C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 10 vol %
Lower explosive limit (LEL)	: 1 vol %
Upper explosive limit (UEL)	: 10 vol %

9.2. Other information

Softening point	: -21 °C
VOC content	: 0 %
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Slightly volatile. Neutral reaction.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
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Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Mineral Oil (8042-47-5)

LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 5 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

Skin corrosion/irritation : Not classified

pH: Not applicable

Serious eye damage/irritation : Not classified

pH: Not applicable

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Mineral Oil (8042-47-5)

Viscosity, kinematic	31 mm ² /s (40 °C)
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Potential adverse human health effects and symptoms : Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg). Practically non-toxic in contact with skin (LD50 skin > 2000 mg/kg). Not irritant to skin. Slightly irritant to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - air : Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Photodegradation in the air. Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).

Ecology - water : Slightly harmful to crustacea. Slightly harmful to fishes. Fouling to shoreline. Forming sediments in water. Slightly harmful to algae.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Mineral Oil (8042-47-5)

LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
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12.2. Persistence and degradability

Mineral Oil (8042-47-5)

Persistence and degradability : Not readily biodegradable in water.

12.3. Bioaccumulative potential

Mineral Oil (8042-47-5)

Log Pow : 5.6 - 25 (Calculated, EPIWIN)

Bioaccumulative potential : High potential for bioaccumulation (Log Kow > 5).

12.4. Mobility in soil

Mineral Oil (8042-47-5)

Surface tension : 0.027 - 0.035 N/m

Ecology - soil : Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Waste treatment methods.
Product/Packaging disposal recommendations	: Use appropriate containment to avoid environmental contamination. Remove waste in accordance with local and/or national regulations. Recycle/reuse. Remove to an authorized incinerator with energy recovery.
Additional information	: Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
European List of Waste (LoW) code	: 15 01 02 - plastic packaging 15 01 04 - metallic packaging 15 01 07 - glass packaging 07 04 99 - wastes not otherwise specified

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: Not regulated
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated
Proper Shipping Name (ADN)	: Not regulated
Proper Shipping Name (RID)	: Not regulated

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: Not regulated
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IMDG

Transport hazard class(es) (IMDG)	: Not regulated
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IATA

Transport hazard class(es) (IATA)	: Not regulated
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ADN

Transport hazard class(es) (ADN)	: Not regulated
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RID

Transport hazard class(es) (RID)	: Not regulated
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14.4. Packing group

Packing group (ADR)	: Not regulated
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated
Packing group (ADN)	: Not regulated
Packing group (RID)	: Not regulated

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

VOC content : 0 %

15.1.2. National regulations

Listed on the Canadian DSL (Domestic Substances List)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet applicable for regions : GB - United Kingdom

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.