

Mineral Oil
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Mineral Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 12/31/2015 Revision date: 05/11/2017 Version: 7,1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : Mineral Oil
 CAS-No. : 8042-47-5
 Product code : 112M
 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 / cleartek / 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 / seneproline / slab oil / sontex / stanolax / stanolind(=petroleum oils, pure) / tech pet F / terraline / terraline / 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

BIG No : 09710

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Pesticide: wetting agent

1.3. Supplier

Geno Technology, Inc./ G-Biosciences
9800 Page Avenue
Saint Louis, 63132-1429 - 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: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

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 (acute and delayed)

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.
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. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) 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. Specific hazards arising from the chemical

Fire hazard	: DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Temperature above flashpoint: higher fire/explosion hazard.
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5.3. Special protective equipment and precautions for fire-fighters

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.

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.
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- 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-ignition : 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mineral Oil (8042-47-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	5 mg/m ³ (Inhalable fraction)

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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

Respiratory protection:

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid

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Appearance	: Liquid.
Color	: Colourless
Odor	: Mild odour Hydrocarbon odour
Odor threshold	: No data available
pH	: Not applicable
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 280 °C
Flash point	: 205 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: < 0.005 hPa (20 °C)
Relative vapor density at 20 °C	: > 1
Relative density	: 0.865
Specific gravity / 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: < 0.10 g/100ml Ether: soluble
Log Pow	: 5.6 - 25 (Calculated, EPIWIN)
Auto-ignition temperature	: > 320 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 31 mm ² /s (40 °C)
Viscosity, dynamic	: 0.038 Pa·s (38 °C)
Explosion limits	: 1 - 10 vol % Lower explosive limit (LEL): 1 vol % UEL: 10 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available

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

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Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 31 mm ² /s (40 °C)
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.
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.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or 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.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal 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.

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Other information : No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

Mineral Oil (8042-47-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

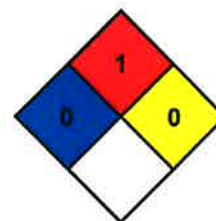
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NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



SDS US (GHS HazCom 2012)

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.