

SECTION 1 Identification**1.1. Product identifier**

Product form : Mixture
Product name : Synthetic SAE 0W-20 Motor Oil
Part Number : 10568

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Lubricating oil

1.4. Supplier's details

Lucas Oil Products, Inc.
3199 Harrison Way NW
Corydon, IN 47112
USA
T 800-342-2512
sds@lucasoil.com - www.LucasOil.com

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call ChemTel 24hr/day 7days/week. Within USA, Canada, Puerto Rico & US Virgin Islands: 1-800-255-3924. International: 1-813-248-0585 (collect calls accepted). Australia: 1-300-954-583. Brazil: 0-800-591-6042. China: 400-120-0751. India: 000-800-100-4086. Mexico: 800-099-0731.

SECTION 2 Hazard Identification**2.1. Classification of the substance or mixture****GHS US classification**

| | | |
|-----------------------------------|------|--|
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction. |
| Reproductive toxicity, Category 2 | H361 | Suspected of damaging fertility or the unborn child. |

Full text of H statements : see section 16

2.2. Label elements**GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H317 - May cause an allergic skin reaction
H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust, fume, gas, mist, vapors, spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

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P302+P352 - If on skin: Wash with plenty of water.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|--|----------------------|------------|--|
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | CAS-No.: 72623-87-1 | 80 - 100* | Asp. Tox. 1, H304 |
| Distillates (petroleum), hydrotreated heavy paraffinic | CAS-No.: 64742-54-7 | 3 - 7* | Asp. Tox. 1, H304 Aquatic Chronic 4, H413 |
| 1-Decene, homopolymer, hydrogenated | CAS-No.: 68037-01-4 | 3 - 7* | Asp. Tox. 1, H304 |
| Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated | CAS-No.: 163149-28-8 | 1 - 5* | Asp. Tox. 1, H304 |
| Benzenamine, ar-nonyl-N-(nonylphenyl)- | CAS-No.: 36878-20-3 | 0.5 - 1.5* | Repr. 2, H361 Aquatic Chronic 4, H413 |
| Calcium long chain alkaryl sulfonate | CAS-No.: 722503-69-7 | 0.1 - 1* | Skin Sens. 1, H317 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.
Personal protection for first-aid responders. : First aid workers will be equipped with suitable personal protective equipment.

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4.2. Most important symptoms/effects, acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : None under normal conditions. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : None under normal conditions. |
| Symptoms/effects after ingestion | : None under normal conditions. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

| | |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

| | |
|--|--------------------------------|
| Fire hazard | : No fire hazard. |
| Explosion hazard | : No direct explosion hazard. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. |
|------------------|---|

For non-emergency personnel

| | |
|----------------------|---|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. |

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". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so. |
| Environmental precautions | : Avoid release to the environment. |

6.2. Methods and materials for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

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For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store locked up.
- Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

1-Decene, homopolymer, hydrogenated (68037-01-4)

USA - ACGIH® - Threshold Limit Values

| | |
|-----------------|--|
| ACGIH® TLV® TWA | 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, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



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SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Color | : Mixture contains one or more component(s) which have the following color(s): Colourless White to grey Yellow |
| Odor | : There may be no odor warning properties, odor is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odor: Odourless Characteristic odour Almost odourless |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 200 °C |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : 0.845 |
| Density | : 7.055 lb/gal |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 46.27 mm ² /s @ 40 ° C |
| Explosion limits | : No data available |
| Particle characteristics | : No data available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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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

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 oral | 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg Source: IUCLID |
| LD50 dermal | 5000 mg/kg |
| ATE US (oral) | 5000 mg/kg body weight |
| ATE US (dermal) | 5000 mg/kg body weight |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|-----------------------------|
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID |

| 1-Decene, homopolymer, hydrogenated (68037-01-4) | |
|--|---|
| LD50 dermal rat | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated (163149-28-8) | |
|--|---|
| LD50 oral rat | > 5000 mg/kg Source: ECHA |
| LD50 dermal rat | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal rabbit | > 3000 mg/kg Source: ECHA |
| LC50 Inhalation - Rat (Dust/Mist) | > 5.2 mg/l Source: ECHA |

| Benzenamine, ar-nonyl-N-(nonylphenyl)- (36878-20-3) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|--|
| LOAEL (oral,rat,90 days) | 125 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation,rat,dust/mist/fume,90 days) | > 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|--|
| LOAEL (oral,rat,90 days) | 125 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation,rat,dust/mist/fume,90 days) | > 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) |

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Aspiration hazard : Not classified

| Synthetic SAE 0W-20 Motor Oil | |
|---|--|
| Viscosity, kinematic | 46.27 mm ² /s @ 40 ° C |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
| Viscosity, kinematic | 12 mm ² /s |
| Hydrocarbon | Yes |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| Viscosity, kinematic | 18 mm ² /s |
| Hydrocarbon | Yes |
| Aliphatic, alicyclic or aromatic hydrocarbon | Yes |
| Symptoms/effects after inhalation | : None under normal conditions. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : None under normal conditions. |
| Symptoms/effects after ingestion | : None under normal conditions. |

SECTION 12 Ecological information

12.1. Ecotoxicity

| | |
|---|--|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|--|
| LC50 - Fish [1] | > 5000 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| LC50 - Fish [1] | > 5000 mg/l |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | > 1000 mg/l Source: IUCLID |
| Benzenamine, ar-nonyl-N-(nonylphenyl)- (36878-20-3) | |
| LC50 - Fish [1] | > 0.0013 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |

12.2. Persistence and degradability

| Synthetic SAE 0W-20 Motor Oil | |
|---|------------------------|
| Persistence and degradability | Not rapidly degradable |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
| Persistence and degradability | Not rapidly degradable |

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| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|--|---|
| Persistence and degradability | Not rapidly degradable |
| 1-Decene, homopolymer, hydrogenated (68037-01-4) | |
| Persistence and degradability | Biodegradability in water: no data available. |
| Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated (163149-28-8) | |
| Persistence and degradability | Not rapidly degradable |
| Benzenamine, ar-nonyl-N-(nonylphenyl)- (36878-20-3) | |
| Persistence and degradability | Not rapidly degradable |
| Calcium long chain alkaryl sulfonate (722503-69-7) | |
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|--|------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |
| 1-Decene, homopolymer, hydrogenated (68037-01-4) | |
| Bioaccumulative potential | No bioaccumulation data available. |
| Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated (163149-28-8) | |
| Partition coefficient n-octanol/water (Log Pow) | 5 |

12.4. Mobility in soil

| Benzenamine, ar-nonyl-N-(nonylphenyl)- (36878-20-3) | |
|---|---------------------------|
| Mobility in soil | 35900000 Source: EPISUITE |

12.5. Other adverse effects

| | |
|------------------------------|------------------|
| Ozone | : Not classified |
| Fluorinated greenhouse gases | : No |

SECTION 13 Disposal considerations

| | |
|--|---|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. |
| Additional information | : Do not re-use empty containers. |
| Ecological waste information | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

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| DOT | TDG | IMDG | IATA |
|---|---------------|---------------|---------------|
| 14.1. UN number | | | |
| Not regulated for transport | | | |
| 14.2. Proper Shipping Name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

Listed on the Canadian DSL (Domestic Substances List)

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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the Canadian DSL (Domestic Substances List)

Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated (163149-28-8)

Listed on the Canadian DSL (Domestic Substances List)

Benzenamine, ar-nonyl-N-(nonylphenyl)- (36878-20-3)

Listed on the Canadian DSL (Domestic Substances List)

Calcium long chain alkaryl sulfonate (722503-69-7)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Revision date : 5/5/2026

Issue date : 6/7/2025

Full text of hazard classes and H-statements

| | |
|------|--|
| H304 | May be fatal if swallowed and enters airways |
| H317 | May cause an allergic skin reaction |
| H361 | Suspected of damaging fertility or the unborn child |
| H413 | May cause long lasting harmful effects to aquatic life |

Safety Data Sheet (SDS), USA

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.