



306 Supreme Formula Engine Oil

SDS Revision Date: 16/9/2021

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity 306 Supreme Formula Engine Oil

Alternate Names 306

Unique Formula Identifier

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

Intended use See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name: Southwestern Petroleum Lubricants LLC
3401 Quorum Drive Suite 360
Fort Worth, Texas 76137

Customer Service: 800-433-5735

1.4. Emergency telephone number

Emergency: 734-930-0009

Section 2. Hazard identification of the product

2.1. Classification of the substance or mixture

Classification according to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006

Skin Sens. 1;H317

May cause an allergic skin reaction.

Carc. 1B;H350

May cause cancer.

Contains 1,3,4-thiadiazole, 2,5-bis(octyldithio)-. May produce an allergic reaction.

2.2. Label elements

According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006



Danger

H317 May cause an allergic skin reaction.

H350 May cause cancer.

Contains 1,3,4-thiadiazole, 2,5-bis(octyldithio)-. May produce an allergic reaction.

[Prevention]:

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 should not be allowed out of the workplace.

P280 Wear protective gloves, eye protection, face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P308+313 IF exposed or concerned: Get medical advice or attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

Section 3. Composition/information on ingredients

3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS] (as amended by (EU) 2015/830 and REGULATION (EU) 2020/878), they are listed below.

| Ingredient/Chemical Designations | Weight % | Classification according to regulation EC No. 1272/2008* | Notes |
|---|-----------------|---|--------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic CAS Number: 0064742-54-7 EC No. 265-157-1 Index No.: 0064742-54-7 | 75 - 100 | Carc. 1B;H350 | H; L ^{^CLP 3.1} |
| Methyl methacrylate polymer CAS Number: 0009011-14-7 EC No. 618-466-4 Index No.: | 10 - 25 | Not Classified | |

| | | | |
|--|------------|---|--------------------------|
| Lubricating oils (petroleum), c15-30, hydrotreated neutral oil-based; baseoil-unspecified CAS Number: 0072623-86-0 EC No. 276-737-9 Index No.: 649-482-00-X | 1 - 5 | Not Classified | H; L ^{^CLP 3.1} |
| 1,3,4-thiadiazole, 2,5-bis(octyldithio)- CAS Number: 0013539-13-4 EC No. 236-912-2 Index No.: | 0.10 - 1.0 | Skin Irrit. 2;H315 Skin Sens. 1;H317 Acute Tox. 4;H332 Eye Irrit. 2;H319 | |

^{^CLP 31} Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

| | |
|------------|--|
| General | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| Inhalation | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| Eye | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| Skin | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| Ingestion | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. |

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

Overview Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.
Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Skin May cause an allergic skin reaction.

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

Notes to physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Avoid breathing dust, fume, gas, mist, vapors, spray.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

ERG Guide No. ----

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents and acids.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|----------------------|
| 0009011-14-7 | Methyl methacrylate polymer | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0013539-13-4 | 1,3,4-thiadiazole, 2,5-bis(octyldithio)- | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0064742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 0072623-86-0 | Lubricating oils (petroleum), c15-30, hydrotreated neutral oil-based; baseoil-unspecified | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 10 mg/m³ ACGIH.

8.2. Exposure controls

| | |
|----------------------|---|
| Respiratory | If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators. |
| Eyes | Protective safety glasses recommended |
| Skin | Avoid skin contact. Protective gloves recommended. |
| Engineering Controls | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. |
| Other Work Practices | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

See section 2 for further details. - [Prevention]:

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | Color: Purple Physical State: Liquid |
| Odor | Mild Petroleum |
| Odor threshold | No available information |
| pH | No available information |
| Melting point / freezing point | No available information |
| Initial boiling point and boiling range | No available information |
| Flash Point | °F °C, Test method: (Open/Close cup) |
| Evaporation rate (Ether = 1) | No available information |
| Flammability (solid, gas) | No available information |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: No available information |

| | |
|---|--|
| | Upper Explosive Limit: No available information |
| Vapor pressure (Pa) | No available information |
| Vapor Density | No available information |
| Relative Density | No available information |
| Solubility in Water | not soluble in water |
| Partition coefficient n-octanol/water (Log Kow) | No available information |
| Auto-ignition temperature | 260 |
| Decomposition temperature | No available information |
| Viscosity (cSt) | No available information |

9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No available information

10.4. Conditions to avoid

Excessive heat and open flame.

10.5. Incompatible materials

Strong oxidizing agents and acids.

10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapour LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|---|---|--|---|--|---|
| Methyl methacrylate polymer - (9011-14-7) | No data available | No data available | No data available | No data available | No data available |
| 1,3,4-thiadiazole, 2,5-bis(octyldithio)- - (13539-13-4) | No data available | No data available | No data available | No data available | No data available |
| Distillates (petroleum), hydrotreated heavy paraffinic - (64742-54-7) | > 5,000.00, Rat - Category: NA | > 5,000.00, Rabbit - Category: NA | No data available | No data available | No data available |

| | | | | | |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| Lubricating oils (petroleum), c15-30, hydrotreated neutral oil-based; baseoil-unspecified - (72623-86-0) | No data available | No data available | No data available | No data available | No data available |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|---|------------|---|
| 0009011-14-7 | Methyl methacrylate polymer | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| | | 10 - 25 | No Established Limit |
| 0013539-13-4 | 1,3,4-thiadiazole, 2,5-bis(octyldithio)- | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | 0.10 - 1.0 | No Established Limit |
| 0064742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | 75 - 100 | No Established Limit |
| 0072623-86-0 | Lubricating oils (petroleum), c15-30, hydrotreated neutral oil-based; baseoil-unspecified | OSHA | Regulated Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | 1 - 5 | No Established Limit |

| | | |
|----------------|----------|--------------------|
| Classification | Category | Hazard Description |
|----------------|----------|--------------------|

| | | |
|-------------------------------|-----|--------------------------------------|
| Acute toxicity (oral) | --- | --- |
| Acute toxicity (dermal) | --- | --- |
| Acute toxicity (inhalation) | --- | --- |
| Skin corrosion/irritation | --- | --- |
| Serious eye damage/irritation | --- | --- |
| Respiratory sensitization | --- | --- |
| Skin sensitization | 1 | May cause an allergic skin reaction. |
| Germ cell mutagenicity | --- | --- |
| Carcinogenicity | 1B | May cause cancer. |
| Reproductive toxicity | --- | --- |
| STOT-single exposure | --- | --- |
| STOT-repeated exposure | --- | --- |
| Aspiration hazard | --- | --- |

11.2.1 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

Section 12. Ecological information

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l | 3hr IC50 Bacteria mg/l | Biodegradability % |
|--|------------------------------|----------------------------|---|------------------------|--------------------|
| Methyl methacrylate polymer - (9011-14-7) | --- | --- | --- | --- | --- |
| 1,3,4-thiadiazole, 2,5-bis(octyldithio)- (13539-13-4) | --- | --- | --- | --- | --- |
| Distillates (petroleum), hydrotreated heavy paraffinic - (64742-54-7) | >100.00, Pimephales promelas | >10,000.00, Daphnia magna | 100.00 (72 hr), Pseudokirchneriella subcapitata | --- | 31.00 |
| Lubricating oils (petroleum), c15-30, hydrotreated neutral oil-based; baseoil-unspecified - (72623-86-0) | --- | --- | --- | --- | --- |

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

12.7. Other adverse effects

No available information

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|----------------------------------|---|---|--|
| 14.1. UN number | Not Regulated | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable Sub Class: Not Applicable | IMDG: Not Applicable Sub Class: Not Applicable | Air class: Not Applicable Sub Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No available information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

Section 15. Regulatory information

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

EU Legislation

REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

National Legislation

None noted.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16. Other information

SDS Revision Date 16/9/2021

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H350 May cause cancer.

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