SafeGard Low Ash SAE 15W-40 NG Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 11/11/2022 Revision date: 10/30/2026 Supersedes: 3/29/2023 Version: 3.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : SafeGard Low Ash SAE 15W-40 NG Engine Oil
Product code : 592202

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 : Natural gas engine oil

1.4. Supplier's details

Martin Lubricants
484 East 6th St.
Smackover, AR 71762

1.5. Emergency phone number

Emergency number : CHEMTREC (800) 424-9300

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labelling

No labelling applicable

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	%
Lubricating oils, petroleum, hydrotreated spent	CAS-No.: 64742-58-1	35 – 70
Distillates, hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	20 – 30
Zinc salts of dialkyl dithiophosphoric acid	CAS-No.: 68649-42-3	0.325 – 0.65
Phenol, (tetrapropenyl) derivatives	CAS-No.: 74499-35-7	0.01 – 0.049
Calcium Branched Alkylphenol	CAS-No.: 132752-19-3	0.01 – 0.049
Distillates (petroleum), hydrotreated middle	CAS-No.: 64742-46-7	0.012 – 0.02

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 after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

No additional information available

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.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

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

For non-emergency personnel

Emergency procedures : Ventilate spillage area.

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".

Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

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. Wear personal protective equipment.

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 incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropiate 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

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Amber, clear liquid.
Colour	:	Amber
Odour	:	Mild petroleum; Hydrocarbon
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	260 °C
Flash point	:	236 °C (456.80°F)
Flammability (solid, gas)	:	Not applicable.
Vapour pressure	:	Negligible at STP
Relative vapour density at 20°C	:	1
Relative density	:	0.87
Density	:	7.22 lb/gal
Solubility	:	Material nearly insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	92.61 mm²/s at 40°C (104°F), 14.44 cSt at 100°C (212°F)
Explosive 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.

SECTION 11 Toxicological information

11.1. Likely routes of exposure

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

Distillates, hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
LD50 oral rat	3195 mg/kg Source: ECHA
LD50 dermal rabbit	> 3160 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5000 mg/m³ Source: ECHA
ATE US (oral)	3195 mg/kg bodyweight

Distillates (petroleum), hydrotreated middle (64742-46-7)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg Source: EHCA
LC50 Inhalation - Rat (Dust/Mist)	> 4.6 mg/l Source: ECHA
ATE US (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation : Not classified

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
pH	5.5 – 7.5 Source: ECHA

Phenol, (tetrapropenyl) derivatives (74499-35-7)	
pH	No data available in the literature

Serious eye damage/irritation : Not classified

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
pH	5.5 – 7.5 Source: ECHA

Phenol, (tetrapropenyl) derivatives (74499-35-7)	
pH	No data available in the literature

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

SafeGard Low Ash SAE 15W-40 NG Engine Oil	
Viscosity, kinematic	92.61 mm²/s at 40°C (104°F), 14.44 cSt at 100°C (212°F)
Hydrocarbon	Yes

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
Viscosity, kinematic	9 – 15 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' Remarks on result: 'other:'
Phenol, (tetrapropenyl) derivatives (74499-35-7)	
Viscosity, kinematic	No data available in the literature
Distillates (petroleum), hydrotreated middle (64742-46-7)	
Viscosity, kinematic	> 20.5 mm²/s (40 °C, Niet experimenteel bepaald; afgeleid van de indeling)
Hydrocarbon	Yes

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor 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

Distillates, 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
Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
LC50 - Fish [1]	1 – 5 mg/l Source: ECHA
EC50 - Crustacea [1]	1 – 1.5 mg/l Source: IUCLID
EC50 96h - Algae [1]	1 – 5 mg/l Source: IUCLID
Phenol, (tetrapropenyl) derivatives (74499-35-7)	
LC50 - Fish [1]	0.146 mg/l Source: ECOSAR
EC50 96h - Algae [1]	0.6 mg/l Source: ECOSAR

12.2. Persistence and degradability

SafeGard Low Ash SAE 15W-40 NG Engine Oil	
Persistence and degradability	Not rapidly degradable
Lubricating oils, petroleum, hydrotreated spent (64742-58-1)	
Persistence and degradability	Not rapidly degradable
Distillates, hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Not rapidly degradable
Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
Persistence and degradability	Not rapidly degradable

Phenol, (tetrapropenyl) derivatives (74499-35-7)	
Persistence and degradability	Biodegradability in water: no data available.

Calcium Branched Alkylphenol (132752-19-3)	
Persistence and degradability	Not rapidly degradable

Distillates (petroleum), hydrotreated middle (64742-46-7)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

Distillates, hydrotreated heavy paraffinic (64742-54-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
Partition coefficient n-octanol/water (Log Pow)	14.876 Source: ECHA

Phenol, (tetrapropenyl) derivatives (74499-35-7)	
Bioaccumulative potential	No bioaccumulation data available.

Distillates (petroleum), hydrotreated middle (64742-46-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

Phenol, (tetrapropenyl) derivatives (74499-35-7)	
Ecology - soil	No (test)data on mobility of the substance available.

Distillates (petroleum), hydrotreated middle (64742-46-7)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

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

DOT	TDG	IMDG	IATA
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

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	Present	Active	
Distillates, hydrotreated heavy paraffinic	64742-54-7	Present	Active	
Zinc salts of dialkyl dithiophosphoric acid	68649-42-3	Present	Active	
Phenol, (tetrapropenyl) derivatives	74499-35-7	Present	Active	
Calcium Branched Alkylphenol	132752-19-3	Present	Active	
Distillates (petroleum), hydrotreated middle	64742-46-7	Present	Active	

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, hydrotreated spent (64742-58-1)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

Listed on the Canadian DSL (Domestic Substances List)

Phenol, (tetrapropenyl) derivatives (74499-35-7)

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

Calcium Branched Alkylphenol (132752-19-3)

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

Distillates (petroleum), hydrotreated middle (64742-46-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Distillates (petroleum), hydrotreated middle (64742-46-7)

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

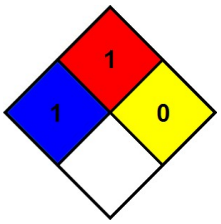
SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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NFPA health hazard	:	1 - Materials that, under emergency conditions, can cause significant irritation.
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.



Safety Data Sheet (SDS), USA

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