



Revision: 04.24.2018

818015481

Safety data sheet
According to 1907/2006/EC (REACH),
1272/2008/EC (CLP), and GHS

1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Trade name:** VEXTROM ADVANCE SYNTHETIC BLEND SAE 15W40**Other means of identification:** No other identifiers.**1.2. Relevant identified uses of the substance or mixture and uses advised against****Application of the substance/ the mixture:** Lubricant**Uses advised against:** No further relevant information available.**1.3 Details of the supplier of the Safety Data Sheet****Supplier:****Vextrom Corporation**

Made in USA

1.4 Emergency telephone number:(CHEMTREC) 1-800-424-9300 – tol free in the U.S. Canada
and U.S Virgin Islands.703-527-3887 – for calls originating
elsewhere.**2 Hazards identification****2.1. Classification of the substance or mixture**

- Classification according to Regulation (EC) No 1272/2008**

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

The product is not classified as hazardous according to OSHA GHS regulations within the U.S.A.

The product is not classified as hazardous according to the CLP regulation.

2.2 Label elements

- Labeling according to Regulation (EC) No 1272/2008**

The product is not classified as hazardous according to OSHA GHS regulations within the U.S.A.

The product is not classified as hazardous according to the CLP regulation.

- Hazard pictograms** Not Regulated

- Signal word** Not Regulated

- Hazard statements** No Regulated

- Additional information:** Safety data sheet available or request.

2.3 Other hazards There are no other hazards not otherwise classified that have been identified.**Results of PBT and vPvB assessment****PBT** : Not applicable.**VPvB** : Not applicable

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3 Composition/ information on ingredients

3.1. Mixtures

· Components:		
CAS: 113706-15-3 EC number: 601-275-5	Phosphorodithioic acid, mixed O,O-bis (sec-Bu and isooctyl) esters, zinc salts. Eye Dam 1, H318 Aquatic Chronic 2, H411 Skin Irrit. 2, H315	< 1 %

Additional information:

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMS O extract as measured by IP 346 ' Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements.

4 First aid measures

4.1. Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation is experienced, consult a doctor.

After eye contact:

Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Nausea in case of ingestion.
Gastric or intestinal disorders when ingested.
Slight irritant effect on eyes.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

Water haze or fog
Foam
Fire-extinguishing powder
Carbon dioxide

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

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Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic
gases cannot be excluded.

National Fire Protection Association (U.S.A.)



5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.
Wear fully protective suit.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Particular danger of slipping on leaked/spilled product.
Use personal protective equipment as required.

6.2 Environmental precautions:

Avoid release to the environment.
Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Remove from the water surface e.g. skim or suck off).
Send for recovery or disposal in suitable receptacles.
Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

- Avoid the formation of oil haze.
- Open and handle receptacle with care.
- Avoid breathing mist/vapours/spray.
- Avoid contact with the eyes and skin.
- Keep out of reach of children.
- **Information about fire - and explosion protection:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

- **Requirements to be met by storerooms and receptacles:** Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from oxidizing agents and foodstuffs.

7.3 Specific end use(s)

No further relevant information available.

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8. Exposure controls /personal protection

8.1 Control parameters

. Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Avoid breathing mist/vapours/spray.

Respiratory protection:

Not required under normal conditions of use.

Use suitable respiratory protective device when aerosol or mist is formed.

Protection of hands: Gloves are advised for repeated or prolonged contact.

Wear protective gloves to handle contents of damaged or leaking units.

Eye protection: Follow relevant national guidelines concerning the use of protective eyewear.

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment: No especial requirements.

Risk management measures: No special requirements.

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Liquid
Colour:	Amber coloured
Odour:	Petroleum-like
Odour threshold:	Not determined.
Ph-value: Not determined.	
Change in condition	
Melting point/Melting range:	Not determined.
Initial boiling point and boiling range:	> 100 °C (>212 °F)
Flash point:	> 100 °C (>212 °F)
Flammability (solid, gaseous):	Not applicable.
Auto/ Self - ignition temperature:	Not determined
Decomposition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Oxidising properties:	Not determined.
Vapour pressure:	Not determined
Density :	
Relative density	< 1 .
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water): Not determined	
Viscosity:	
Dynamic :	Not determined
Kinematic at 40°C (104 °F):	> 20,5 mm ² /S
9.2 Other information	No further relevant information available.

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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 normal temperatures and pressures.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions Reacts with strong oxidizing agents.

10.4 Conditions to avoid Sources of ignition: sparks, open flame, incompatible materials

10.5 Incompatible materials: Oxidizers

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide

Hydrocarbons

Phosphorus oxides (e.g. P2O5)

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

113706-15-3 Phosphorodithioic acid, mixed O, O-bis(sec-Bu and isooctyl) esters, zinc salts.

Oral LD 50 2600 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/ irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

IARC (International Agency for Research on Cancer): Present in trace quantities.

71-43-2 benzene

Probable routes of exposure: Ingestion, eye contact, skin contact

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT- single exposure: Based on available data, the classification criteria are not met.

STOT – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

12.1 Toxicity

Aquatic toxicity

113706-15-3 Phosphorodithioic acid, mixed O, O-bis(sec-Bu and isooctyl) esters, zinc salts

LC50 4,5 mg/l (Oncorhynchus mykiss)

12.2 Persistence and degradability: The product is partially biodegradable. Significant residuals remain.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

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General notes:

Avoid release to the environment.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Contact waste processors for recycling information.

Delivery of waste oil to officially authorized collectors only.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

. 14.1 UN-Number . DOT, ADR, IMDG, IATA	Not Regulated
. 14.2 UN proper shipping name . DOT, ADR, IMDG, IATA	Not Regulated
. 14.3 Transport hazard class(es) . DOT, ADR, IMDG, IATA . Class	Not Regulated
. 14.4 Packing group . DOT, ADR, IMDG, IATA	Not Regulated
. 14.5 Environmental hazards: . Marine pollutant:	No
. 14.6 Special precautions for user	Not applicable.
. 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable.

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15. Regulatory information

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

United States (USA)

SARA

. Section 355 (extremely hazardous substances):
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None of the ingredients is listed.

. Section 313 (Specific toxic chemical listings):
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None of the ingredients is listed.

. TSCA (Toxic Substances Control Act):

All ingredients are listed.

. Proposition 65 (California):

. EPA (Environmental Protection Agency)
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None of the ingredients is listed.

. IARC (International Agency for Research on Cancer)

Present in trace quantities.

71-43-2 benzene 1

. Canadian Domestic Substances List (DSL) (Substances not listed)
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All ingredients are listed.

. Directive 2012/18/EU

. Named dangerous substances-ANNEX I None of the ingredients are listed.

. Other regulations, limitations and prohibitive regulations.
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. Substances of very high concern (SVHC) according to REACH, Article 47
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None of the ingredients are listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

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DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. VEXTROM CORPORATION BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY OR RELIABILITY. VEXTROM CORPORATION SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING OUT OF THE USE THEREOF. THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER CONSIDERATION AND EXAMINATION, AND IT IS THE USER RESPONSIBILITY TO SATISFY ITSELF THAT THEY ARE SUITABLE AND COMPLETE FOR ITS PARTICULAR USE.

