



AUTOBACS Synthetic Engine Oil 5W-40 SP/CF

Safety Data Sheet

Version: 1.0

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : AUTOBACS Synthetic Engine Oil 5W-40 SP/CF

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

AUTOBACS SEVEN CO., LTD.
NBF Toyosu Canal Front, 6-52, Toyosu 5-Chome, Koto-ku, Tokyo 135-8717, Japan
Telephone Number : +81-3-6219-8779
FAX Number : +81-3-6219-8765

1.5. Emergency telephone number

Emergency number : +81-3-6219-8779

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Physical hazards : Flammable liquids Not classified
Health hazards : Aspiration hazard Not classified

2.2. Label elements

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Synonyms	Concentration (%)	Formula	Product identifier
Distillates (petroleum), hydrotreated heavy paraffinic; baseoil unspecified		>= 80		(CAS-No.) 64742-54-7 (EC-No.) (EC Index-No.)
Zinc bis(O,O-diisooctyl) bis(dithiophosphate)		0.1 - 1		(CAS-No.) 28629-66-5 (EC-No.) (EC Index-No.)
Zinc O,O,O',O'tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)		< 1		(CAS-No.) 2215-35-2 (EC-No.) (EC Index-No.)
SUCCINIC ANHYDRIDE OCTADECENYL		< 1		(CAS-No.) 28777-98-2 (EC-No.) (EC Index-No.)
LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX		< 0.1		(CAS-No.) (EC-No.) (EC Index-No.)
Distillates (petroleum), hydrotreated light paraffinic		0.1 - 5		(CAS-No.) 64742-55-8 (EC-No.) (EC Index-No.)

V385		>=0.1 - <1		(CAS-No.) (EC-No.) (EC Index-No.)
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SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation : Remove person to fresh air and keep comfortable for breathing.
 Skin contact : Wash skin with plenty of water.
 Eye contact : Rinse eyes with water as a precaution.
 Ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special Protective actions for the 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

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material 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.

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 : 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 any incompatibilities

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

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

V385		
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

No additional information available

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 220 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.8517 g/cm ³ 15C
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 86.69 mm ² /s 40C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

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. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)	
LD50 oral	2230 mg/kg

Skin corrosion/irritation : Not classified

Serious eye : Not classified

damage/irritation

Respiratory or skin : Not classified

sensitisation

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.

SP SAE 5W40 FULLY SYN	
Viscosity, kinematic	86.69 mm ² /s 40C
Density	0.8517 g/cm ³ 15C

SECTION 12: Ecological information

12.1. Toxicity

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, shortterm (acute) : Not classified

Hazardous to the aquatic environment, longterm (chronic) : Not classified

Zinc bis(O,O-diisooctyl) bis(dithiophosphate) (28629-66-5)	
LC50 fish 1	3.8 mg/l
EC50 Daphnia 1	510 mg/l
NOEC chronic fish	1.8 mg/l

SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)	
LC50 fish 1	> 10 mg/l
EC50 Daphnia 1	36.3 mg/l
ErC50 (algae)	46.9 mg/l
BCF fish 1	234.6
Log Pow	9.36

LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX	
LC50 fish 1	94.8 mg/l
EC50 Daphnia 1	50 mg/l
ErC50 (algae)	9.62 mg/l
NOEC (chronic)	100 mg/l

BCF fish 1	0.05
BCF other aquatic organisms 1	88

12.2. Persistence and degradability

SP SAE 5W40 FULLY SYN	
Persistence and degradability	No additional information available
SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)	
Biodegradation	60 %
LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX	
Biodegradation	22.75 %

12.3. Bioaccumulative potential

SP SAE 5W40 FULLY SYN	
Bioaccumulative potential	No additional information available
SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)	
BCF fish 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX	
BCF fish 1	See section 12.1 on ecotoxicology
BCF other aquatic organisms 1	See section 12.1 on ecotoxicology

12.4. Mobility in soil

SP SAE 5W40 FULLY SYN	
Mobility in soil	No additional information available
SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)	
Log Pow	See section 12.1 on ecotoxicology

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

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

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (UN RTDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- UN RTDG

No data available

- IMDG

No data available

- IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

15.2. International Regulations

No additional information available

15.3. Chemical inventory status

Australia AICS : No

Canada DSL : No

Canada NDSL : No

China IECSC : No

EU EINECS : No

EU ELINCS : No

EU NLP : No

Korea ECL : No

US TSCA : No

SECTION 16: Other information

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.
