

# AUTOBACS Synthetic Engine Oil 0W-20 SP/GF-6A

## 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 0W-20 SP/GF-6A

#### 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.)

## 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 <sup>3</sup> )	10 mg/m <sup>3</sup>

### 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

Appearance : BRIGHT AND CLEAR.

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 : > 200 °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 : 0.8501 g/cm<sup>3</sup>

Solubility : No data available

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : 42.03 mm<sup>2</sup>/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

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

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

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.

<b>SP GF-6A SAE 0W20</b>	
Viscosity, kinematic	42.03 mm <sup>2</sup> /s 40C
Density	0.8501 g/cm <sup>3</sup>

## 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

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

<b>SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)</b>	
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
<b>LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX</b>	
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

<b>SP GF-6A SAE 0W20</b>	
Persistence and degradability	No additional information available
<b>SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)</b>	
Biodegradation	60 %
<b>LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX</b>	
Biodegradation	22.75 %

#### 12.3. Bioaccumulative potential

<b>SP GF-6A SAE 0W20</b>	
Bioaccumulative potential	No additional information available
<b>SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)</b>	
BCF fish 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
<b>LONG CHAIN ALKYL THIO CARBAMIDE METAL COMPLEX</b>	
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

<b>SP GF-6A SAE 0W20</b>	
Mobility in soil	No additional information available
<b>SUCCINIC ANHYDRIDE OCTADECENYL (28777-98-2)</b>	
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.*