



SAFETY DATA SHEET

SECTION 1. Identification

Product identifier:

Product name: AUTOBACS FUEL SYSTEM TREATMENT

Product No. : 00032396

Usage of Product: Fuel additive for internal combustion petrol engines

Company Identification:

Company name: AUTOBACS SEVEN CO., LTD.

Address: NBF Toyosu Canal Front, 6-52, Toyosu 5-chome, Koto-ku, Tokyo 135-8717, Japan

Department name: Overseas Business Department

Telephone Number: +81-03-6219-8779

Facsimile Number : +81-03-6219-8765

Business Hours: 9:00am-5:00pm (Monday - Friday)

SECTION 2. Hazard identification

GHS label elements, including precautionary statements

Physical Hazard:	Flammable liquid:	Category 4
Health Hazard:	Skin corrosion/irritation:	Category 3
	Aspiration hazard	Category 1

Hazard Symbol



Signal word: Danger

Hazard Statement: H227 Combustible liquid
 H316 Causes mild skin irritation
 H304 May be fatal if swallowed and enters airways

Precautionary statement

【Prevention】	P210 Keep away from heat, hot surface, sparks, open flames and ignition sources. No smoking. P280 Wear protective gloves/protective clothing/eye protection/face protection.
【Response】	P370+P378 In case of fire: Use water spray, dry chemical, foam, carbon dioxide to extinguish. P332+P313 If skin irritation occurs: Get medical advice/attention. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. P331 Do NOT induce vomiting.
【Storage】	P403 Store in a well-ventilated place.

P405 Store locked up.

【Disposal】 P501 Dispose of contents/container in accordance with your local/regional/national/international regulations. If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.

Even when there is no statement in notes by GHS classification, please refer to the following information about the safety measures / emergency measure / storage / abandonment of a product.

SECTION 3. Composition/information on ingredients

Substance or mixture:	Mixture	
Chemical Name:	Petroleum hydrocarbon and additives	
Composition:	Mineral oil	80~90 %mass
	Mineral spirits	1~9.9 %mass
	Additive	10~20 %mass

SECTION 4. First-aid measures

Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Cover the body with blankets to keep warm and quiet. If you feel unwell, seek medical advice.
Skin Contact:	Immediately flush skin with large amount of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	Rinse with clean water carefully for several minutes. Remove contact lenses if present and if removal is easy, then continue rinsing. Rinse for 15 minutes at a minimum and seek medical attention.
Ingestion:	Do not induce vomiting. Drink (one glass) (two glass) of water. Call a physician (or poison control center) immediately.

SECTION 5. Fire-fighting measures

Suitable Extinguishing Media:	Mist of loaded liquid, dry chemicals, carbon dioxide, fire foam, and dry sand are effective.
Extinguishing Media to Avoid:	Use of straight steam of water can cause a risk of spreading fire.
Specific hazards arising from the chemical:	In some cases of fire, may release irritant gases.
Fire Fighting:	When burnt, may generate carbon monoxide and other toxic gases. Spray water to the surrounding facilities for cooling. Keep unauthorized persons off the site of occurrence of fire and the surroundings. Even after extinction, cool containers thoroughly with plenty of water.
Special protective equipment and precautions for fire fighters:	Wear fire / flame resistant / retardant clothing. Fight fire from windward direction while wearing protective equipment. If contact with skin is expected, wear impervious protective equipment and gloves. Use air-breathing apparatus and protective clothing whenever necessary.

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	<p>Wear protective equipment when working.</p> <p>Remove nearby potential ignition sources immediately.</p> <p>When mist is generated, use respiratory equipment to prevent inhalation of mist.</p> <p>Do not touch or walk through spillage.</p> <p>Pay attention to the site of spillage, which is slippery.</p>
Environmental precautions:	<p>Prevent spreading of oil spill with earth and sand, sandbags, or other proper materials and use care not to allow the oil spill to flow to street drains, sewer systems, and rivers.</p> <p>At sea, install oil spill containment booms to prevent spreading of spills and absorb with absorption mat or other materials.</p>
Method and materials for containment and cleaning up:	<p>In case of spillage in small quantity, collect spillage by absorbing with earth, sand, sawdust, waste, or other proper materials.</p> <p>In case of spillage in large quantity, enclose with embankment to prevent spreading of spillage and collect spillage in empty containers to the extent possible.</p>
Prevention of second accident:	<p>In case of spillage, immediately inform the organizations concerned of the spillage to prevent possible accidents and spreading of spillage.</p> <p>Remove nearby potential ignition sources immediately and make fire-extinguishing agents available. Remove spillage completely, and ventilate and clean the site and the surroundings.</p>

SECTION 7. Handling and storage

Handling	
<p>Technical Measures:</p>	<p>Keep away from any possible contact with sparks, open flames, and high-temperature materials, and do not allow release of vapor without justification.</p> <p>Use pump or other proper equipment for taking out from containers.</p> <p>Do not siphon with your mouth using a tube. Do not drink.</p> <p>When mist is generated, use respiratory equipment to prevent inhalation of mist.</p> <p>In case of vapor / mist dispersion, install a closed system, local ventilation system, and / or other proper equipment for the sources of vapor / mist generation.</p> <p>Avoid rough handling of containers such as falling, dropping, exposing to shock, and dragging.</p>
<p>Ventilation requirements:</p>	<p>Maintain adequate ventilation when handling indoors.</p>
<p>Precautions:</p>	<p>Wash hands and face thoroughly after handling.</p> <p>Be careful with fire.</p>
<p>Precautions for safe handling:</p>	<p>Avoid falling, dropping, exposing to shock, or dragging of containers.</p> <p>Wear protective gloves when opening containers to eliminate a risk of hand injury.</p>
Storage	
<p>Storage Conditions:</p>	<p>Store in a well ventilated, cool, dry, dark place, protection from direct sunlight and keeping away from any potential ignition sources and high-temperature materials.</p> <p>Store tightly stopped after use to prevent possible contamination with</p>

Possibility of hazardous reaction: Keep away from any possible contact with strong oxidizing agents.
 Conditions to avoid: Contact with incompatible hazard substances.
 Prolonged heating, open flames, and ignition sources.
 Incompatible materials: Use care to keep away from any possible contact with halogens, strong acids, alkalis, and acidifying substances.
 Hazardous decomposition products: When burnt, may release carbon monoxide and other gases.

SECTION 11. Toxicological information

Acute toxicity:

Oral	Product:	Not Classified	
	Mineral oil	LD50 (Rat)	>5000mg/kg

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Dermal	Product:	Classification not possible	
	Mineral oil	LD50 (Rat)	>5000mg/kg

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Inhalation-mist	Product:	Classification not possible	
	Mineral oil	No data	

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Skin corrosion/irritation:	Product:	Classification not possible	
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For mixtures, hazard category was identified based on the classification criteria for mixtures.

Serious eye damage/ eye irritation:	Product:	Classification not possible	
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For mixtures, hazard category was identified based on the classification criteria for mixtures.

Respiratory or Skin Sensitization:	Product:	Respiratory:	Classification not possible
		Skin:	Classification not possible

For mixtures, hazard category was identified based on the classification criteria for mixtures.

Germ cell mutagenicity:	Product:	Classification not possible	
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For mixtures, hazard category was identified based on the classification criteria for mixtures.

Carcinogenicity:	Product:	Classification not possible	
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For mixtures, hazard category was identified based on the classification criteria for mixtures.

Reproductive toxicity:	Product:	Classification not possible	
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For mixtures, hazard category was identified based on the classification criteria for mixtures.

Specific target organ toxicity (Single exposure): Product: Classification not possible
 For mixtures, hazard category was identified based on the classification criteria for mixtures.

Specific target organ toxicity (Repeated exposure): Product: Classification not possible
 For mixtures, hazard category was identified based on the classification criteria for mixtures.

Aspiration toxicity: This product is a hydrocarbon and has a kinematic viscosity of 20.5 mm²/s or less, measured at 40°C. There are some reports that oil or chemical pneumonia may be caused as a result of the aspiration of this product into the lungs if swallowed. See section 16 for the bibliography.

SECTION 12. Ecological information

Ecotoxicity: About petroleum distillates similar to this mineral oil, there is the following data (obtained in water accommodated fraction);

Fish	Pimephales promelas, 96hrs,	LL50 > 100mg/L
Fish	Pimephales promelas, 14days,	NOEL > 100mg/L
Crustacea	Daphnia magna ,48hrs,	EL50/NOEL >10000mg/L
Crustacea	Daphnia magna ,21days,	NOEL >10mg/L
Algae	Selenastrum,	NOEL > 100mg/L

Hazardous to the Aquatic Environment
 Acute aquatic hazard: Product: Classification not possible
 For mixtures, hazard category was identified based on the classification criteria for mixtures.

Chronic aquatic hazard: Product: Classification not possible
 For mixtures, hazard category was identified based on the classification criteria for mixtures.

Persistence and degradability: Product: No data

Bioaccumulative potential: Product: No data

Mobility in soil : Product: No data

Hazardous to the Ozone Layer: Product: No data

SECTION 13. Disposal considerations

Disposal methods: Dispose of in accordance with local regulations.
 Before disposal of used container, remove contents completely.
 Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14. Transport information

UN No., UN CLASS

UN number: Not applicable
Proper Shipping Name: Not applicable
UN Class: Not applicable
Packing group: Not applicable

IMDG(SEA): Not applicable
IATA(AIR): Not applicable

Specific security precaution and condition of transportation:

Transport containers without causing any significant friction or shaking.

SECTION 15. Regulatory information

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

National regulations(Japan)

Fire Service Law: Category 4th, Flammable Liquids, Class #3 Petroleum,
Water immiscible

Industrial Safety and Health Law:

No.57 Law Substance to display: Mineral oil, Mineral spirits

No.57 Law Substance to notify: Mineral oil, Mineral spirits

Pollution Release and Transfer Register(PRTR): Not regulated

Poisonous & Deleterious

Not regulated

Substance Control Act:

SECTION 16. Other information

【References】

1. Advice on Allowable concentration, Japan Society for Occupational Health(2018)
2. Thresholds limit values for chemical substances and physical agents and biological exposure indices, ACGIH (2010)
3. ECHA (European Chemicals Agency), website "ECHA CHEM", Information on Registered Substances (2011). SDS of EU suppliers (2011)
4. IARC Monographs on the Evaluation of Carcinogenic Risk to Humans (2006)
5. Globally Harmonized System of Classification and Labelling of Chemicals(GHS):Rev.6(2015)
6. SDS provided by the manufacturer.

The information and recommendation provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information and recommendation given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. It is the user's responsibility that the product is suitable for the intended use and the responsibility to insure proper health, safety and other necessary information is included with and/or on the container.