

MSYS-40082-01E	YAMALUBE Super Brake & Oil Cleaner	ASKA Co.,Ltd.
SDS	Prepared 2016/2/1	Revised Ver.1

1 Product name
Product Code YAMALUBE Super Brake & Oil Cleaner
Identity of single or mix. 90793-40082
Company's name ASKA Co.,Ltd.
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Division Quality Assurance Department
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Recommended Use For the cleaning of brake system for Automobile and motorcycle.
For the Degreasing of metal parts.
Report No. MSYS-40082-01E

2 Hazards Identification

GHS

- | | |
|--|-------------------|
| ▪ Aerosols | Hazard Category 1 |
| ▪ Germ cell mutagenicity | Hazard Category 1 |
| ▪ Toxic to reproduction | Hazard Category 1 |
| ▪ Specific target organ toxicity following repeated exposure | Hazard Category 1 |
| | Hazard Category 2 |

GHS Label elements

Hazard Symbols

- Flame
- Health Hazard



Signal Word

Danger

Hazard and Precautionary statements

- Flammable aerosol
- Pressurized container: may burst if heated
- May cause genetic defects
- May damage to organs
- Causes damage to organs through prolonged or repeated exposure
- May causes damage to organs through prolonged or repeated exposure

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3 Composition / Information on Ingredients

Identity of a single substance or a mixture

Mixture

Name of component	Conc. ranges (wt%)	CAS No.
Normalhexane	<5	100-54-3
Ethanol	5~10	64-17-5
LPG	10~30	74-98-6 75-28-5 106-97-8

4 First-aid measures

In case of inhalation

In case of heavy aspiration of vapor or gases, move a person to the fresh-air space, then rest.
If needed, call a doctor immediately.

In case of an attachment to the skin

Wash with a large amount of water and soap
If pain or appearance change occurs, immediately go to the doctor.

In case of contact with eye

Immediately wash with a large amount of clean water for over 15 min.
Wash both under upper and lower lids completely.
In case of wearing easy-removable contact-lens, remove them, and continue to wash eyes.
Go to the doctor as soon as possible.

In case of ingestion

To vomit increases a hazard of aspiration to lung, because it is easily volatile liquid.
Call a doctor at once. To rinse person's mouth is also recommended.

5 Fire-fighting measures

Fire extinguishing media

Carbon dioxide, foam, powder, dry sand
Water should not be used as a fire-extinguishing agent.

Special fire-fighting measures

Removal of combustionable materials from the surroundings of fire.

6 Accidental Release Measures

Personal Precautions

Wear the suitable protective equipment such as protective gloves, eye-glasses, protective clothes.
When the accidental release occurred indoors, ventilate well.
Work on the wind ward, and move the person being under the wind to the safer place.
Prepare the fire extinguishing equipments against the combustion.

Precaution for the environment

Take care that released material is not discharged into public areas and environment.

Removal procedure

Recover the released material into the sealable vessel as much as possible.
Then clean up residual material by absorbing with soil, sand, sawdust, soil, and waste clothes.
Store the recovered residues into the sealable vessel as much as possible.

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7 Handling and Storage

Technical measure

- Do not handle at the place at the temperature of over 40
- Do not handle near the fire.
- Do not heat over 40 degree centigrade.
- Do not spray for a long time.
- Do not tumble, drop, impact, or drag the container. Handle it carefully.

Local ventilation/whole ventilation

Handle at the well ventilated place by using local ventilator or whole ventilator.

Precaution for safety handling

- Wear the suitable protecting equipments such as protecting glasses, and protecting gloves.
- Eating, drinking and smoking in working area should be prohibited
- Wash hands after use.

Storage

Proper storage conditions

- Store below 40 degree centigrade.
- Do not storage in the humid places.
- Storage in the humid condition may occur the explosion of the container because of corrosion.
- Store at the well ventilated places.
- Store in the locked place and keep out of children's reach.

8 Exposure controls / personal protection

Equipment measure

Use local ventilation systems or whole ventilation systems.

Permissible concentrations

Component	Controlled Conc.	Permissible Conc. (JSOH)	Permissible Conc. (ACGIH)
Normalhexane	40ppm	40ppm	50ppm
Ethanol	-	-	1000ppm
LPG	-	-	1000ppm

Protective equipment

Respiratory protective equipment

Use proper gas helmets for organic gases as occasion demands.

Eye protection

Use proper protecting glasses as occasion demands.

Skin protection

Use proper protecting gloves and clothes as occasion demands.

9 Physical and Chemical properties

Physical properties

Appearance and form	Liquid
Color	Colorless and transparent
Odour	solvent odor
Explosive limit	NO DATA
Flash point	>61°C (estimated value)
Auto-ignition temperature	NO DATA
Explosive limit	1.2~7.7vol% (estimated value)
Relative density	0.5~0.7
Solubility	NO DATA

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10 Stability and Reactivity

Stability

Stable in the normal conditions.

Reactivity

Contact with strong oxidizing agents cause violent reactions.

11 Toxicological Information

	LD50M	LD50S	Ski	Ser	Res	Ger	Car	Rep	SE			RE		Asp	Aqu	
															sh	lo
Normalhexane	-	-	2	2A	-	-	-	2	-	-	3	1	-	1	2	-
Ethanol	-	-	-	2B	-	1B	-	1A	1	-	3	1	-	2	-	-
LPG	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-

LD50M: median lethal dose (Mouse; Oral) LD50S: median lethal dose (Mouse; Dermal)

Ski: Skin corrosion/irritation Ser: Serious eye damage/irritation Res: Respiratory sensitizer

Sen: Respiratory/Skin sensitizer Ger: Germ cell mutagenicity Car: Carcinogenicity

Rep: Toxic to reproduction SE: Specific target organ toxicity single exposure

RE: Specific target organ toxicity following repeated exposure

Asp: Aspiration hazard Aqu: Hazardous to the aquatic environment

12 Ecological Information

It indicates in accordance with the table of 11.Toxicological Information.

13 Disposal Considerations

Disposal methods

Do not discharge washing waste into the sinks, seas, rivers, lakes, maeshes and groundwaters.

Wastes produced by the treatment of drainage or incineration of wastes, should be handled according to the laws with respect of the wastes and disposals .

Contaminated containers and packings

Entrust the disposals of contents and containers to the special disposer licensed by the governor.

14 Transport Information

International Regulations

UN Classification	Class 2.1 (Gas compressed or liquified)
UN Number	1950(aerosol)
ERG2004 guide No.	126

National Regulations (Japan)

Surface transport

Not applicable to the fire-law regulation and High pressure gas law.

Carrying Measures

Highest limit of piling height is recommended below 3m.

Ocean transport

Follow the law in relation to ocean transport

Air transport

Follow the law in relation to air transport

15 Regulatory Information

Follow the laws, regulations, prohibitions and all other restrictions in relation of all of personal safety, health and ecology, such as fire, gas, toxic materials, chemical substances, chemical releases, disposal and so on, in each country or region in which this product is handled.

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16 Other Information

Cited literatures (All are published in Japan)

Material safety data sheet of each materials

JIS Z 7253

Industrial poisoning handbook (Ishiyaku syuppan Co.Ltd.)

13901's chemical materials (kagaku kougyou nipponsya)

Regulation of Ocean transport and storage of dangerous materials (kaibundo)

※ MSDS is supplied as the referential information for customers to secure their safety handling of the hazardous chemical products. Please use this MSDS to establish customers' suitable handling measures to insure the safety and health of customers' persons according to their conditions to deal with this chemical product. So, this data sheet is not the warranty of the safety and health.