

Product name: ECHO GREASE X695-000060  
Gear Lubricant for Trimmer/Brushcutter/Hedge Trimmer

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## 1. Identification of the substance/mixture and of the company/undertaking

Product name: ECHO GREASE X695-000060  
Identification of the Yamabiko Corporation  
Supplier:  
Address: 7-2 Suehirocho 1-chome Ohme Tokyo 198-8760 Japan  
Charge Section: Business Administration Department  
(81-428-32-6100)

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## 2. Hazards identification

Hazard category	Category
Acute toxicity (oral)	No Classification
Acute toxicity (dermal)	No Classification
Specific target organ systemic toxicity Following single exposure	No Classification
Specific target organ systemic toxicity Following repeated exposure	No Classification
Aspiration	t No Classification

### LABEL ELEMENTS

Precautionary pictogram: Not applicable  
Signal word: Not applicable  
Hazard Statement: Not applicable

### Precautionary Statement:

Prevention	Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye Protection / face protection. Do not allow the eyes to become exposed to the product. Do not swallow the product. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	IF SWALLOWED: Immediately call a POISON CENTER or Doctor/physician. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. IF ON SKIN: Wash with plenty of soap and water.
Storage	Take off contaminated clothing and wash before reuse. The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. Containers that have been opened must be tightly sealed.
Disposal	Dispose of contents/container in accordance with 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.

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### 3. Composition / information on ingredients

Substance/Mixture Mixture  
Ingredients and concentration

Ingredient name	Concentration wt.%
Base oil(s)	70 - 80
Thickener	10 - 20
Additives	<10
2, 6-Di-tert-Buthyl-4-Cresol	0.1 – 0.9

### 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 glasses] of water. Call a physical (or poison control center) immediately.

### 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 stream of water can create 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.

Special protective equipment and precautions for fire fighters: Keep unauthorized person off the site of occurrence of fire and the surroundings.  
Even after extinction, cool containers thoroughly with plenty of water.  
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.

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## 6. Accidental release measures

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

## 7. Handling and storage

### Handling

#### Technical measures:

Keep away from any possible contact with sparks, open flames, and high-temperature materials, and do not allow release of vapor without justification. Use pumps or other proper equipment for taking out from containers. Do not siphon with your mouth using a tube. Do not drink. When mist is generated, use respiratory equipment to prevent inhalation of mist. 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. Avoid rough handling of containers such as falling, dropping, exposing to shock, and dragging. Maintain adequate ventilation when handling indoors. Wash hands and face thoroughly after handling. Be careful with fire. Avoid falling, dropping, exposing to shock, or dragging of containers.

#### Ventilation requirements:

#### Precautions:

#### Precaution for safe handling:

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Wear protective gloves when opening containers to eliminate a risk of hand injury.

**Storage**  
Storage conditions: Store in a well ventilated, cool, dry, dark place, protecting from direct sunlight and keeping away from any potential ignition sources and high-temperature materials. Store tightly stopped after use to prevent possible contamination with dust and moisture.

**Safety adequate container materials:** Preferably store locked up in a proper storage area. Use spill-proof containers that are free of damage/corrosion.

**8. Exposure controls / Personal protection**

**Appropriate engineering controls:** In case of mist generation, enclose the source of mist generation, or install a ventilation system. Install eye cleaning and body cleaning equipment near the handling site.

**Control parameters**

Ingredient Nama	Japan Society for occupational Occupational Exposure Limits	ACGIH	
		TLV-STEL	TLV-TWA
Base oil(s)	Non established ppm. 3mg/m <sup>3</sup> (Mineral oil Mist)	None established ppm. None established mg/m <sup>3</sup>	None established ppm. 5mg/m <sup>3</sup> (Mineral Oil Mist)
Thickener	None established ppm. None established mg/m <sup>3</sup>	None established ppm. None established mg/m <sup>3</sup>	None established ppm. None established mg/m <sup>3</sup>
2, 6-Di-tert-Buthyl-4-Cresol	None established ppm. None established mg/m <sup>3</sup>	None established ppm. None established mg/m <sup>3</sup>	None established ppm. 2mg/m <sup>3</sup> (2,6-Di-tert-Buthyl-4-Cresol)

**Personal protective equipment:** Not needed under normal conditions, but wear a gas mask (against organic gases) whenever required.

**Respiratory protection:** In case of prolonged or repeated exposure, wear oil-resistant hand protection.

**Hand protection:** In case of exposure to splashes, wear ordinary type goggles.

**Eye/face protection:** In case of handling over a prolonged period of time or in case of exposure to oil, wear oil-resistant, long-sleeved work clothing.

**Skin protection:** Take off contaminated and wash thoroughly before reuse. Wash hands thoroughly after handling.

**Hygiene Measures:**

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## 9. Physical and chemical properties

### Product

Form:	Semi solid
Color:	Light brown
Odor:	Slight odor
Melting point/Freezing Point	Dropping Point 200(°C)
Initial boiling point And boiling range	Initial boiling point – End point No data
Flash point:	≥ 200(°C) Seta Closed Cup
Auto-ignition Temperature:	Estimate 200 - 410(°C)
Upper/Lower flammability Or explosive limits:	Exposition Limit (1 – 7%)
Vapor density	No data
Solubility:	Water: Insoluble
Partition coefficient: n-octanol/water:	No data
Decomposition Temperature:	No data

## 10. Stability and reactivity

Chemical stability:	Stable when stored preserved in a dark place at room temperature.
Possibility of hazardous reactions:	Keep away from any possible contact with strong oxidizing agents.
Conditions to avoid:	Contact with incompatible hazard substances.
Incompatible materials:	Prolonged heating, open flames, and ignition sources.
Hazardous decomposition products:	Use care to keep away from any possible contact with halogens, strong acids, alkalis, and acidifying substances. When burnt, may release carbon monoxide and other gases.

## 11. Toxicological information

### Product

Acute toxicity (Oral):	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Acute toxicity (dermal)	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Acute toxicity (inhalation)	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Skin corrosion/irritation	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Serious eye damage/irritation	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Respiratory sensitization	For mixtures, hazard category was identified based on the classification criteria for mixtures.

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Skin sensitization	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Mutagenicity	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Carcinogenicity	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Reproductive toxicity	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Target organ effect/Single Exposure:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Target organ effect/Multi Exposure:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Respiratory toxic:	For mixtures, hazard category was identified based on the classification criteria for mixtures.

Ingredient

Base Oil(s)

Acute toxicity (oral)	LD50: $\geq$ 5000mg/kg[rat]
Acute toxicity (dermal)	LD50: $\geq$ 5000mg/kg[rat]
Serious eye damage/irritation	Practically None
Skin sensitization:	None Buehler method [guinea pig]
Mutagenicity:	Ames Test: Negative
Carcinogenicity:	EU: Category 2: R45 need not apply. (NOTE L is applicable. IARC: 3

2,6-Di-tert-Buthyl-4-Cresol

Acute toxicity (oral):	LD50: $\geq$ 890 - 5800mg/kg[rat], LD50: 890mg/kg[rat]
Acute toxicity (dermal):	LD50: > 2000mg/kg[rat]
Respiratory sensitization:	None [guinea pig]
Skin sensitization:	Negative [guinea pig], Positive [human]
Carcinogenicity:	IARC: 3, ACGIH: A4, IARC: 3

**12. Ecological information**

Product

Eco toxicity	
Fish acute toxicity:	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Algae acute toxicity	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Fish chronic toxicity	For mixtures, hazard category was identified based on the classification criteria for mixtures.
Algae chronic toxicity	For mixtures, hazard category was identified based on the classification criteria for mixtures.

Ingredient

Base oil(s)

Eco toxicity	
Fish acute toxicity	96hLC50: > 5000mg/L [oncoorhynchus mykiss]
Daphnia acute toxicity	48hEC50: > 1000mg/L [Daphnia magna]



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#### 2,6-Di-tert-Buthyl-4-Cresol

##### Eco toxicity

Daphnia acute toxicity	48hrEC50: 0.84mg/L
Algae acute toxicity	72hE50: >0.42 mg/L[Desmodesmus subspicatus], 72hEC50: 6mg/L[Pseudokirchneriella subcapitata]
Bioaccumulative potential	230 – 2500 BCF method: UECD 305C

### 13. Disposal considerations

Disposal Methods: Dispose of contents/container in accordance with local / regional / national / International regulations.

Every customer/user of the product should dispose of industrial waste on its own responsibility, otherwise it must rely on a company authorized by prefectural governor for treating industrial waste or a local public body involved in the disposal of industrial waste for proper disposal.  
Before disposal of used container, remove contents completely.

### 14. Transport information

IMDG	UN Classification]	Not applicable
Specific security precaution and Condition of transportation:		Transport containers without causing any significant friction or shaking.

### 15. Regulatory information

Korea (KECL):	All components are listed or exempted..
Australia (AICS):	All components are listed or exempted.
Canada (DSL):	All components are listed or exempted
China (IECSC):	All components are listed or exempted.
EU(REACH):	In the case where one of more components are not listed or, even if listed, in the case of importing to the country or area concerned, and application or notification is required.
New Zealand (NZIoC):	All components are listed or exempted.
USA (TSCA):	All components are listed or exempted.
Philippines (PICCS):	All components are listed or exempted.
Taiwan:	All components are listed or exempted.

### 16. Other information

Disclaimer We at Yamabiko Corporation have prepared the copyrighted Safety Data Sheet to provide reference information on the hazardous chemical product of interest for our customers/users to ensure secure and safe handling  
We would like every customer/user of the product to refer to the information and understand the necessity of taking appropriate measures for the actual handling conditions on their own responsibilities for optimum practical application of the product of the interest.  
Consequently, the Safety Data Sheet is not intended to guarantee the safety of the product referenced to herein.