





## Rustrans-Logistic.ru



MSDS: 46433\_E71EEN Date Prepared: 2010/07/01 THE MACA Date Revised: 2017/04/01

Product Name: YAMAHA OUTBOARD GEAR OIL GL-4

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

Product Name: YAMAHA OUTBOARD GEAR OIL GL-4

Identification of the JXTG Nippon Oil & Energy Corporation supplier:

Address: 1-2, Otemachi 1-Chome, Chiyoda-ku, Tokyo, 100-8162 Japan

Charge section: Lubricants Quality Assurance Group kustrans-Logistic.ru (TEL:+81 3-6260-2004)

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#### 2. Hazards identification

hazard category Category Rustrans- Flammable liquids Rustrans-Log No Classification

оригинальные импорт No Classification инальные и Acute toxicity (oral)

Acute toxicity (dermal) No Classification Skin corrosion/irritation No Classification

Serious eye damage/eye irritation No Classification

Skin sensitizer Category 1

Specific target organ systemic toxicity No Classification following single exposure

No Classification Specific target organ systemic toxicity

following repeated exposure

Aspiration hazard No Classification Acute hazards to the aquatic environment No Classification

Chronic hazards to the aquatic environment No Classification

Rustrans-Logistic.ru LABEL ELEMENTSPTHUE MACA

> Precautionary pictograms:

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Rustrans-L Signal word:

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Warning Warning

Hazard Statement: May cause allergic skin reaction

Precautionary Statements:

Prevention Do not handle until all safety precautions have been read and understood.

> Wear protective gloves/protective clothing/eye protection/face protection. - Collection

Do not allow the eyes to become exposed to the product. Do not swallow the product.

Contaminated work clothing should not be allowed out of the workplace.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product. S-LOGISTIC FU

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.













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IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash before reuse. 

If skin irritation or a rash occurs: Get medical advice/attention.

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Storage 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 a local/regional/national/international regulations. HER MACHA

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

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Substance/Mixture:

Mixture

Ingredients and Concentration

Ingredient Name		Concentrationwt.%		
Base 0il(s)	Rustra	90-99 ogistic.ru	Rustrans-Logistic.ru	
Additives ИМПОРТНЫЕ МАСЛА	ОРИГИНАЛ	<10 импортные масла	ОРИГИНАЛЬНЫЕ ИМПОРТНЫЕ МАСЛА	

#### 4. First-aid measures

Inhalation:Logistic.ru

Skin Contact:

Eye Contact: OSIC V ОРИГИНАЛЬНЫЕ ИМПОРТНЫЕ МАСЛА

Ingestion:

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.

Immediately flush skin with large amounts of water.

Wash contaminated clothing before reuse.

If skin irritation occurs : Get medical advice/attention.

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.

Do not induce vomiting. Drink [one glass] [two glasses] of water. Call a physician [or poison control

center] immediately.

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## 5. Fire-fighting measures

Suitable Extinguishing Media:

Extinguishing Media to Avoid:

Specific hazards arising from the chemical:

Fire Fighting:

Mist of loaded liquid, dry chemicals, carbon dioxide, fire foam, and dry sand are effective.

Use of straight steam of water can cause a risk of spreading fire. гинальные импортные масла

In some cases of fire, may release irritant gases.

When burnt, may generate carbon monoxide and other toxic gases. Spray water to the surrounding facilities for cooling.

















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Keep unauthorized persons off the site of occurrence of fire and the surroundings. PITHE MACTIA

Even after extinction, cool containers thoroughly with plenty of

water.

Wear fire/flame resistant/retardant clothing.

precautions for fire fighters:

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Methods and materials for containment and cleaning up:

Environmental precautions:

Special protective equipment and

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.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment when working.

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:
 Remove nearby potential ignition sources immediately.

When mist is generated, use respiratory equipment to prevent

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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.

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

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

prevent spreading of spillage and collect spillage in empty containers to the extent possible.

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.

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#### 7. Handling and storage

Prevention of second accident:

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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.



















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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.

requirements: Precautions:

> Precautions for safe handling:

Ventilation

<mark>Wa</mark>sh hands and face thoroughly after <mark>handl</mark>ing. Be careful with fire.

Avoid falling, dropping, exposing to shock, or dragging of containers.

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.

Preferably store locked up in a proper storage area.

Use spill-proof containers that are free of damage/corrosion. **KUSTRANS-Logistic.ru** 

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Safety\_adequate Rustrans-container materials:

#### 8. Exposure controls/personal protection

Appropriate engineering controls:

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In case of mist generation, enclose the source of mist g<mark>e</mark>neration, or install a ventilation <mark>syste</mark>m. Install eye cleaning and body cleaning equipment near the MACOA handling site.

Control parameters

Ingredient Name		Japan Society for Occupational	ACGIH	
Rustrans-Log S	Rustra оригинал	Occupational Exposure Limits	TLV-STEL RUS	TLV-TWA
Base Oil(s)		None established	None established	None established
				ppm,
		3mg/m3(Mineral Oil		5mg/m3(Mineral Oil
		Mist)	establishedmg/m3	Mist)

Personal Protective Equipment

игинальные и Respiratory Protection:

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Rustrans-Logistic.ru Not needed under normal conditions, but wear a gas mask (against organic gases) whenever required.

Hand protection:

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

Eye/face protection: Skin Protection:

In case of exposure to splashes, wear ordinary type goggles. In case of handling over a prolonged period of time or in case of exposure to oil, wear oil-resistant, long-sleeved work clothing.

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Take off contaminated clothing and wash thoroughly before reuse. Wash hands thoroughly after handling.

Hygiene Measures:

















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Product

Physical state: Liquid Form: Liquid

Color: Light brown Slight odor Odor:

Pour Point-22.5(℃) Melting point/freezing

point:

Initial boiling point Initial boiling point - End point No data and boiling range:

Flash point:

236(°C)Cleveland Open Cup Rustrans-LAuto-ignition Estimate200-410(°C) temperature:

Upper/lower flammability Explosion Limit (1-7%)

or explosive limits:

Vapour density: No data. Density(g/cm3):  $0.898(15^{\circ}\text{C})$ Solubility: water: Insoluble.

Rusuans Partition coefficient: No data. ans-Logistic.ru n-octanol/water:

Decomposition No data.

temperature:

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Chemical stability: Stable when stored or preserved in a dark place at room temperature. Possibility of hazardous 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 ca<mark>re to</mark> keep away from any possible contac<mark>t with</mark> halogens, strong acids, alkalis, and acidifying substances.

Hazardous decomposition When burnt, may release carbon monoxide and other gases.

products:

Product

reactions:

Toxicological information

10. Stability and reactivity

Acute toxicity (oral): For mixtures, hazard category was identified based on

the classification criteria for mixtures.

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Acute toxicity (dermal): For mixtures, hazard category was identified based on

the classification criteria for mixtures.

Russians Acute toxicity (inhala<mark>tion)</mark>: For mixtures, hazard catego<mark>ry wa</mark>s identified based on ригинал the classification criteria for mixtures.ны

> 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.













#### SAFETY DATA SHEET





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Mutagenicity:

Respiratory sensitizat<mark>ion:</mark> For mixtures, hazard catego<mark>ry wa</mark>s identified based on

the classification criteria for mixtures.

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

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.

For mixtures, hazard category was identified based on Target organ effect/Single exposure: the classification criteria for mixtures.

Target organ effect/Multi For mixtures, hazard category was identified based on

exposure: the classification criteria for mixtures.

For mixtures, hazard catego<mark>ry was</mark> identified based on

Respiratory toxic: the classification criteria for mixtures.

Ingredient Base Oil(s)

> Acute toxicity (oral): LD50: ≥ 5000 mg/kg[rat] Acute toxicity (dermal): LD50: ≥ 5000 mg/kg[rat]

Rustrans-Logistic.ru Serious eye damage/irr<mark>itati</mark>on: Practically None [rabbit]

Skin sensitization: None Buehler method [guinea pig]

Mutagenicity: Ames Test:Negative

EU: Category 2: R45 need not apply. (NOTE L is Carcinogenicity:

Applicable), IARC:3

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## 12. Ecological information

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Product

Ecotoxicity

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.

Rustrans-Logistic.ru Ingredient

Base Oil(s)

Ecotoxicity

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

## Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international Disposal methods: regulations.







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Every customer/user of the product should dispose of industria<mark>l was</mark>te 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

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IMDG UN classification: Specific security precaution and condition of transportation:

Not applicable

Transport containers without causing any significant friction or shaking.



## 15. Regulatory information





Korea(KECL): Australia (AICS): Canada (DSL):

All components are listed or exempted. All components are listed or exempted. All components are listed or exempted.

China (IECSC): EU (REACH):

All components are listed or exempted. All components are listed or exempted. In the case where one or more components are n<mark>ot li</mark>sted or, even if listed, in the case of importing to the country or area concerned, an application or notification is required.

New Zealand(NZIoC):

In the case where one or more components are not listed or, even if listed, in the case of importing to the country or area concerned, an application or notification is required.

USA (TSCA): Philippines (PICCS): Taiwan:

All components are listed or exempted. All components are listed or exempted. All components are listed or exempted. Rustrans-Logistic.ru

#### 16. Other information



We at JXTG Nippon Oil & Energy 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 th<mark>e act</mark>ual handling conditions on their ow<mark>n res</mark>ponsibilities for optimum practical application of the product of interest. Consequently, the Safety Data Sheet is not intended to guarantee the safety of the product referenced to herein.











