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GL5 Rear Axle oil 80W-90

YMD650490153

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product form : Mixture

: GL5 Rear Axle oil 80W-90 Trade name/designation

<u>1.2.</u> Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses 1.2.1.

: Industrial use Main use category

1.2.2. Uses advised against

No data available

Details of the supplier of the safety data sheet

JX Nippon Oil & Energy Europe Limited 2F Bury House, 31 Bury Street, London, EC3A 5AR, UK T +44 20 7186 0400 info@jxeurope.com

Emergency telephone number

Emergency number : +44 20-7186-400

Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Dermal) H312

Full text of hazard classes and H-statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word : Warning

Hazardous ingredients : Amines, C12-14-tert-alkyl

Hazard statements (CLP) : H312 - Harmful in contact with skin.

Precautionary statements (CLP) : P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.



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P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of water/....

P362+P364 - Take off contaminated clothing and wash it before reuse.

Extra phrases : EUH208 - Contains Amines, C12-14-tert-alkyl. May produce an allergic reaction.

2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lubricating oils, DMSO< 3%	(CAS-No.) 74869-22-0 (EC-No.) 278-012-2 (EC Index) 649-484-00-0	80 - 90	Not classified
Additives		< 20	Not classified
Amines, C12-14-tert-alkyl	(CAS-No.) 68955-53-3 (EC-No.) 273-279-1	< 0,25	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice : First aider: Pay attention to self-protection. Concerning personal protective

equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show

this safety data sheet to the doctor in attendance.

Inhalation : Remove person to fresh air and keep comfortable for breathing. In case of doubt or

persistent symptoms, consult always a physician.

Skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. In case

of doubt or persistent symptoms, consult always a physician.

Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt

or persistent symptoms, consult always a physician.

Ingestion : Rinse mouth thoroughly with water. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation : Inhalation of fumes or vapours may cause respiratory irritation.

Skin contact : Harmful in contact with skin. The following symptoms may occur: Irritating to skin,

Burning sensation, Redness, Itching, Dry skin.

Eyes contact : May cause eye irritation. The following symptoms may occur: redness, itching, tears.



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Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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 : carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Not flammable. Heating causes rise in pressure with risk of bursting.

Hazardous decomposition products in

case of fire

: Carbon oxides (CO, CO2).

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the

extinguishing fluids by bunding. Prevent fire fighting water from entering the

environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of

waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate

: Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

For emergency responders

: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment

: Stop leak if safe to do so. Dam up the liquid spill.

Methods for cleaning up

: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.

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Hygiene measures

: Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Incompatible substances or mixtures

: Oxidizing agent. Strong acids. Halogens. alkalis.

Heat and ignition sources

: Keep away from open flames, hot surfaces and sources of ignition. Keep out of

direct sunlight. Do not smoke.

Special rules on packaging

: Keep in properly labelled containers.

Packaging materials

: Keep only in the original container. Use corrosionproof equipment.

Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

Control parameters <u>8.1.</u>

: Personal air monitoring :. Room air monitoring. Recommended monitoring

procedures

Exposure controls

Engineering measure(s)

Additional information

: Provide adequate ventilation. Organisational measures to prevent /limit releases,

dispersion and exposure. Safe handling: see section 7.

Personal protective equipment

: The type of protective equipment must be selected according to the concentration

and amount of the dangerous substance at the specific workplace.

Hand protection

Wear chemically resistant gloves (tested to EN374) . Suitable material: Nitrile rubber. Thickness > 0.3 mm. Breakthrough time: > 8 h. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place

concentration and quantity of hazardous substances.

Eye protection

Use suitable eye protection. (EN166): Use splash goggles when eye contact due to

splashing is possible

Body protection

: Wear suitable coveralls to prevent exposure to the skin. (Use chemically protective

clothing)

Respiratory protection

: Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (EN 140). Full face mask (EN 136). Filter type: A. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must

be used. (EN 137)

Thermal hazard protection

Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls

Avoid release to the environment. Comply with applicable Community environmental

protection legislation.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid **Appearance** : liquid. Colour : light brown. Odour : slight.



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Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available

Melting / freezing point : -35 °C

Freezing point : No data available Initial boiling point and boiling range : No data available

: 222 °C Flash point Auto-ignition temperature : 200 - 410 °C Decomposition temperature : No data available Flammability (solid, gas) : Not applicable, liquid Vapour pressure : No data available Vapour density : No data available Relative density : No data available : 0,896 g/cm3 15°C Density

Solubility : Insoluble.

Water: No data available

Partition coefficient n-octanol/water : No data available
Kinematic viscosity : > 20,5 mm²/s 40°C

Dynamic viscosity : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : 1 - 7 %

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions. Reference to other sections: 10.4 & 10.5.

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

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Safe handling: see section 7.

10.5. Incompatible materials

Strong oxidizing agents. Alkali. Strong acids. Halogens. Safe handling: see section 7.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Reference to other sections: 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Dermal: Harmful in contact with skin.

ATE CLP (dermal)	1100 mg/kg bodyweight
Amines, C12-14-tert-alkyl (68955-53-3)	
LD50/oral/rat	300 mg/kg



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Lubricating oils, DMSO< 3% (74869-22-0)		
LD50/oral/rat	> 5000 mg/kg	
LD50/dermal/rabbit	> 2000 mg/kg	
LC50/inhalation/4h/rat	2.18 mg/l/4h	

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met.)

pH: No data available

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met.)

pH: No data available

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met.)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met.)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met.)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met.)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

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Kinematic viscosity > 20,5 mm²/s 40°C

Other information : Symptoms related to the physical, chemical and toxicological characteristics. For

further information see section 4.

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Lubricating oils, DMSO< 3% (74869-22-0)		
LC50 fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)	
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

12.2. Persistence and degradability

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Persistence and degradability	No data available.

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water	No data available	
Bioaccumulative potential No data available.		

12.4. Mobility in soil

GL5 Rear Axle oil 80W-90	
Mobility in soil	No data available

12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	No data available

12.6. Other adverse effects

Other adverse effects : No data available.



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)

This material and its container must be disposed of as hazardous waste Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

In accordance with ADR / RID / INIDG / IATA / ADN				
ADR	IMDG	IATA	ADN	RID
14.1. UN number		·	·	·
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shi	pping name	•	•	•
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport haz	ard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group)		•	<u> </u>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmenta	l hazards	•	•	•
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Code: IBC : No data available.



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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	GL5 Rear Axle oil 80W-90 - Amines, C12-14- tert-alkyl
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Amines, C12-14-tert-alkyl

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France

Installations classées :

Not applicable.

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, significant hazard to waters (Classification according

to VwVwS, Annex 4)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BlmSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Amines, C12-14-tert-alkyl,Lubricating oils, DMSO< 3% are listed

SZW-lijst van mutagene stoffen : Amines, C12-14-tert-alkyl is listed NIET-limitatieve lijst van voor de : None of the components are listed

voortplanting giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Vruchtbaarheid

viuciibaaiileiu

: None of the components are listed

NIET-limitatieve lijst van voor de : None of the components are listed voortplanting giftige stoffen – Ontwikkeling

Denmark

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct

contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Abbreviations and acronyms:

ABM = Algemene beoordelingsmethodiek



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ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
BTT = Breakthrough time (maximum wearing time)
DMEL = Derived Minimal Effect level
DNEL = Derived No Effect Level
EC50 = Median Effective Concentration
EL50 = Median effective level
ErC50 = EC50 in terms of reduction of growth rate
ErL50 = EL50 in terms of reduction of growth rate
EWC = European waste catalogue
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = Median lethal level
NA = Not applicable
NOEC = No observed effect concentration
NOEL: no-observed-effect level
NOELR = No observed effect loading rate
NOAEC = No observed adverse effect concentration
NOAEL = No observed adverse effect level
N.O.S. = Not Otherwise Specified
OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
PNEC = Predicted No Effect Concentration
Quantitative structure-activity relationship (QSAR)
STOT = Specific Target Organ Toxicity
TWA = time weighted average
VOC = Volatile organic compounds
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the

datasheet

: Safety Data Sheet: Supplier. echa.europa.eu.

Training advice : Training staff on good practice.

Other information : Assessment/classification CLP. Article 9. Calculation method.

Full text of H- and EUH-statements:

Acute toxicity (inhal.), Category 2
Acute toxicity (Illiai.), Category 2
Acute toxicity (dermal), Category 3
Acute toxicity (dermal), Category 4
Acute toxicity Category 4
Hazardous to the aquatic environment - Aquatic Acute 1
Hazardous to the aquatic environment - chronic hazard category 1
Serious eye damage/eye irritation Category 1
Skin corrosion/irritation, Category 1C
Skin sensitisation, hazard category 1
Harmful if swallowed.
Toxic in contact with skin.
Harmful in contact with skin.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye damage.
Fatal if inhaled.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.



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EUH208	Contains . May produce an allergic reaction.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Classification according to Regulation (EC) No. 1272/2008 [CLP] Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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