

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Gear oil SAE 75W-90 (GL-4)**  
**Article number: 170136, 170137, 170138**

**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Lubricant

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company** Ferdinand Bilstein GmbH + Co. KG  
 Wilhelmstr. 47  
 58256 Ennepetal / GERMANY  
 Phone +49 2333 911-0  
 Fax +49 2333 911-444  
 Homepage [www.febi.com](http://www.febi.com)  
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**Address enquiries to**

**Technical information** [info@febi.com](mailto:info@febi.com)  
**Safety Data Sheet** [info@febi.com](mailto:info@febi.com)

**1.4 Emergency telephone number**

**Advisory body** +49 (0)89-19240 (24h) (English)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture [REGULATION (GB) CLP]**

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

The product is required to be labelled in accordance with regulation CLP.

**Hazard pictograms**

none

**Signal word**

none

**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

**Special labelling**

Contains: Amines, C10-14-tert-alkyl, 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. EUH208 May produce an allergic reaction.

**2.3 Other hazards****Physico-chemical hazards**

No particular hazards known.

**Environmental hazards**Does not contain any PBT or vPvB substances.  
Contains no ingredients with endocrine-disrupting properties.**Other hazards**

No particular hazards known.

**SECTION 3: Composition / Information on ingredients****3.1 Substances**

not applicable

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
0.1 - 1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
	CAS: 68411-46-1, EINECS/ELINCS: 270-128-1, Reg-No.: 01-2119491299-23-XXXX
	GHS/CLP: Repr. 2: H361f
0.25 - < 1	Amines, C10-14-tert-alkyl
	CAS: 68955-53-3, EINECS/ELINCS: 701-175-2, Reg-No.: 01-2119456798-18-XXXX
	GHS/CLP: Acute Tox. 3: H311 - Acute Tox. 2: H330 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - Acute Tox. 4: H302 - Skin Sens. 1A: H317
0.1 - < 1	1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)-
	CAS: 73984-93-7, EINECS/ELINCS: 813-543-0, Reg-No.: 01-2120761104-64
	GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 3: H412
0.1 - < 1	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate
	CAS: 255881-94-8, EINECS/ELINCS: 401-850-9, EU-INDEX: 015-146-00-0
	GHS/CLP: Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - Eye Irrit. 2: H319
0.01 - < 0.1	2,2'-(octadec-9-enylimino)bisethanol
	CAS: 25307-17-9, EINECS/ELINCS: 246-807-3, Reg-No.: 01-2119510876-35
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410

#### Comment on component parts

SVHC (Candidate List of Substances of Very High Concern for authorisation)  $\geq$  0.1%  
 CAS 255881-94-8 - S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate  
 For full text of H-statements and R-phrases: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

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

Allergic reactions

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.  
Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Foam, dry powder, water spray jet, carbon dioxide
<b>Extinguishing media that must not be used</b>	Full water jet.

## 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Sulphur oxides (SO<sub>x</sub>).  
Nitrogen oxides (NO<sub>x</sub>).

## 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.  
Forms slippery surfaces with water.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. oil binder).  
Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures necessary if used correctly.  
Use only in well-ventilated areas.  
Use solvent-resistant equipment.

Do not eat, drink or smoke when using this product.  
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.  
Use barrier skin cream.  
Cloths contaminated with product should not be kept in trouser pockets.  
Take off contaminated clothing and wash before reuse.  
Contaminated work clothing should not be allowed out of the workplace.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with oxidizing agents.  
Keep container tightly closed.  
Keep container in a well-ventilated place.

### 7.3 Specific end use(s)

See product use, SECTION 1.2



**SECTION 8: Exposure controls / personal protection**

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored (GB)**

not relevant

**DNEL**

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
Industrial, inhalative, Long-term - local effects, 12.1 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - systemic effects, 12.5 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 2.5 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 1.2 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 0.35 mg/kg bw/day
2,2'-(octadec-9-enylimino)bisethanol, CAS: 25307-17-9
Industrial, inhalative, Long-term - systemic effects, 2.112 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 0.3 mg/kg bw/d
general population, oral, Long-term - systemic effects, 0.214 mg/kg bw/d
general population, dermal, Long-term - systemic effects, 0.214 mg/kg bw/d
general population, inhalative, Long-term - systemic effects, 0.745 mg/m <sup>3</sup>
1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-, CAS: 73984-93-7
Industrial, dermal, Long-term - systemic effects, 0.83 mg/kg bw/d (AF=300)
Industrial, inhalative, Long-term - systemic effects, 2.93 mg/m <sup>3</sup> (AF=75)
general population, inhalative, Long-term - systemic effects, 0.73 mg/m <sup>3</sup> (AF=150)
general population, dermal, Long-term - systemic effects, 0.42 mg/kg bw/d (AF=600)
general population, oral, Long-term - systemic effects, 0.42 mg/kg bw/d (AF=600)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
Industrial, inhalative, Long-term - systemic effects, 0.31 mg/m <sup>3</sup> (AF= 50)
Industrial, dermal, Long-term - systemic effects, 0.44 mg/kg bw/d (AF= 200)
general population, oral, Long-term - systemic effects, 0.05 mg/kg bw/d (AF= 400)
general population, inhalative, Long-term - systemic effects, 0.08 mg/m <sup>3</sup> (AF= 100)
general population, dermal, Long-term - systemic effects, 0.22 mg/kg bw/d (AF= 400)

**PNEC**

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
seawater, 0.00 mg/l
sewage treatment plants (STP), 0.635 mg/l
sediment (freshwater), 2.14 mg/kg sediment dw
sediment (seawater), 0.214 mg/kg sediment dw
soil, 0.428 mg/kg soil dw
oral (food), 4.71 mg/kg food
freshwater, 0.001 mg/l
2,2'-(octadec-9-enylimino)bisethanol, CAS: 25307-17-9
oral (food), 2 mg/kg food (AF=300)
freshwater, 0.214 µg/l (AF= 50)
seawater, 0.0214 µg/l (AF= 500)

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sewage treatment plants (STP), 1500 µ/l (AF=10)
sediment (freshwater), 1.692 mg/kg dw (AF=50)
sediment (seawater), 0.1692 mg/kg dw (AF=500)
soil, 5 mg/kg dw (AF=100)
1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-, CAS: 73984-93-7
seawater, 0.004 mg/L (AF=10 000)
sewage treatment plants (STP), 8000 mg/L (AF=1)
sediment (freshwater), 989.6 mg/kg dw
sediment (seawater), 98.96 mg/kg dw
soil, 516.08 mg/kg dw
freshwater, 0.04 mg/L (AF=1000)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
oral (food), 833 µg/kg food
freshwater, 33.8 µg/L
seawater, 3.38 µg/L
sewage treatment plants (STP), 10 mg/L
sediment (freshwater), 446 µg/kg sediment dw
sediment (seawater), 44.6 µg/kg sediment dw
soil, 17.6 mg/kg soil dw

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. General exposure limit for oil mist should be noted. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. > 0.4 mm: Nitrile rubber, >120 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Light protective clothing.
<b>Other</b>	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	not applicable
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	yellow
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	223
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/cm <sup>3</sup> ]	0.84 (DIN 51757) (15 °C / 59,0 °F)
Relative density	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	immiscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	No information available.
Kinematic viscosity	96.5 mm <sup>2</sup> /s (40°C)
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature [°C]	not applicable
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

### 10.4 Conditions to avoid

No special measures necessary.



### **10.5 Incompatible materials**

Strong oxidizing agent.  
Strong basic compounds  
Strong acids.

### **10.6 Hazardous decomposition products**

No hazardous decomposition products known.

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

## Acute oral toxicity

Product
ATE-mix, oral, 25 125 mg/kg bw
Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
LD50, oral, Rat, >500 mg/kg bw (OECD 401)
2,2'-(octadec-9-enylimino)bisethanol, CAS: 25307-17-9
LD50, oral, Rat, > 300 - 2000 mg/kg
1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylidithio)-, CAS: 73984-93-7
LD50, oral, Rat, 6176 mg/kg bw
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LD50, oral, Rat, >5000 mg/kg bw
NOAEL, oral, Rat, 25 mg/kg bw/day

## Acute dermal toxicity

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
LD50, dermal, Rat, 251 mg/kg bw (OECD 402)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LD50, dermal, Rat, >2000 mg/kg bw

## Acute inhalational toxicity

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
LC50, inhalative, Rat, >=157 ppm (OECD 403)
1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylidithio)-, CAS: 73984-93-7
LC50, inhalative, Rat, > 0.62 mg/l, OECD 403, 4h

## Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
Eye, Rabbit, In vivo study, corrosive

## Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
dermal, Rabbit, In vivo study, corrosive

## Respiratory or skin sensitisation

Non-sensitizing.  
On basis of test data

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
dermal, Guinea pig, In vivo study, sensitising



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**Specific target organ toxicity — single exposure** Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
NOAEL, dermal, Rat, 20 mg/kg, OECD 410, negativ
NOAEC, inhalative, Rat, 19 mg/m <sup>3</sup> , OECD 412, negativ

**Mutagenicity** Based on the available information, the classification criteria are not fulfilled.

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
Chinese hamster, OECD 476, negativ

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

**- Fertility**

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
NOEL, oral, Rat, 250 ppm, OECD 415, negativ

**- Development**

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
NOEL, oral, Rat, 250 ppm, OECD 415, negativ
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
NOAEL, parenteral, 75 mg/kg bw/d, OECD 422

**Carcinogenicity** Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard** Based on the available information, the classification criteria are not fulfilled.

**General remarks**

Toxicological data of complete product are not available.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

**11.2 Information on other hazards**

**Endocrine disrupting properties** Contains no ingredients with endocrine-disrupting properties.

**Other information** none

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Amines, C10-14-tert-alkyl, CAS: 68955-53-3
EC50, (72h), Selenastrum capricornutum, 0.44 mg/l (OECD 201)
EC50, (48h), Daphnia magna, 0.24 mg/l - 6 mg/l (Lit.)
NOEC, (96h), Oncorhynchus mykiss, 0.56 mg/l (OECD 203)
2,2'-(octadec-9-enylimino)bisethanol, CAS: 25307-17-9
LC50, (96h), Danio rerio, > 0.1 - 1 mg/l
EC50, (72h), Pseudokirchneriella subcapitata, > 0.01 - 0.1 mg/l
EC50, (48h), Daphnia magna, > 0.01 - 0.1 mg/l
EC10, (21d), Daphnia magna, > 0.001 - 0.01 mg/l
1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-, CAS: 73984-93-7
EL50, (72h), Algae, > 100 mg/L
LL50, (48h), Daphnia magna, 41 mg/L
LL50, (96h), fish, > 1000 mg/L
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LC50, (96h), fish, 100 mg/L
EC50, (72h), Invertebrates, 100 mg/L
EC50, (48h), Invertebrates, 51 mg/L
EL10, (21d), Invertebrates, 1.69 mg/L

### 12.2 Persistence and degradability

#### Behaviour in environment compartments

Behaviour in sewage plant not determined

Biological degradability not determined

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

### 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

### 12.7 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.



**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

In according to RoHS!  
Disposal in an incineration plant in accordance with the regulations of the local authorities.

**Waste no. (recommended)**

130206\*

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)**

150110\* packaging containing residues of or contaminated by hazardous substances

**SECTION 14: Transport information**

**14.1 UN number or ID number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- **Observe employment restrictions for people** Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- **VOC (2010/75/CE)** not relevant

**15.2 Chemical safety assessment**

For this product a chemical safety assessment has not been carried out.

**SECTION 16: Other information****16.1 Hazard statements (SECTION 3)**

H361f Suspected of damaging fertility.  
 H330 Fatal if inhaled.  
 H311 Toxic in contact with skin.  
 H318 Causes serious eye damage.  
 H314 Causes severe skin burns and eye damage.  
 H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H400 Very toxic to aquatic life.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 EL50 = Median effective loading  
 ELINCS = European List of Notified Chemical Substances  
 EmS = Emergency Schedules  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 IVIS = In vitro irritation score  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 LL50 = Median lethal loading  
 LQ = Limited Quantities  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Classification procedure**

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. ( )

**Modified position**

SECTION 3 been added: Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

SECTION 11 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.

**Safety Data Sheet (UK REACH) (GB)**

**Gear oil SAE 75W-90 (GL-4) Article number 170136, 170137, 170138**



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