WAGNER Spezialschmierstoffe GmbH & Co. KG
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade Name	Classic Gear Oil SAE 90 mildly alloyed
Supplier	Wagner Spezialschmierstoffe GmbH & Co. KG Speckbrodi 8, D – 86759 Wechingen Tel. +49 (0)9085-96009-0 E-mail: wagner@wagner-german-oil.com www.wagner-german-oil.com
Responsible Division	Product Safety Tel. +49 9085 – 960-110
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Information Centre Specializing in Symptoms of Poisoning	+43 1 406 43 43 (Österreich)

1.1 Product identifier
WAGNER Classic Gear Oil SAE 90 mildly alloyed

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/preparation
Gear oil

Uses advised against
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
This product is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2 Label elements
Labelling according to regulation (EC) No 1272/2008
EUH208 Contains *** Amines, C10-14-tert-alkyl, May produce an allergic reaction.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)
Supplemental information ***
EUH210 Safety data sheet available on request.

2.3 Other hazards
Product can form a film on the water surface that can prevent oxygen exchange. Refer to section 11, 12 and 15.

3. COMPOSITION/INFORMATION ON INGREDIENTS***

3.2 Mixtures
Chemical characterization
Mineral oil
Additive

Hazardous ingredients (Regulation (EC) No. 1272/2008) ***

CAS No.	Chemical name			Classification (Regulation (EC) No. 1272/2008)	Concentration limits (Regulation (EC) No. 1272/2008)
	EINECS No.	Reg.No.	Conc. [%]		
---	**Amines, C10-14-tert-alkyl**				
	701-175-2	01-2119456798-18	< 0.1 %	Skin Corr. 1B H314 Skin Sens. 1A H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Eye Dam. 1 H318	Aquatic Chronic 1 H410 M = 1 Aquatic Acute 1 H400 M = 1
---	**C16-18-(even numbered, saturated and unsaturated)-alkylamines**				
	627-034-4	01-2119473797-19	≥ 0.01<0.02%	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Asp. Tox. 1 H304 Skin Corr. 1B H314 Acute Tox. 4 H302 Eye Dam. 1 H318 STOT SE 3 H335	Aquatic Chronic 1 H410 M = 10 Aquatic Acute 1 H400 M = 5

				STOT RE 2	H373	

Other information***
All concentrations are units of weight percent for liquids, and unit of volume percent for gaseous products. Other substances that are not classified to be hazardous, up to 100%. Complete text of hazard statements in chapter 16. Mixtures are not subject to registration. The registration numbers of the ingredients in this mixture (if present) have been listed in item 3.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information
In case of persistent symptoms consult doctor. Remove soiled or soaked clothing immediately, do not allow to dry. Never give anything by mouth to an unconscious person.

After inhalation
Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After contact with skin
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists. Remove contaminated clothing.

After contact with eyes
Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion
Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

Adhere to personal protective measures when giving first aid
First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed
Until now no symptoms known so far.

4.3 Indication of any immediate medical attention and special treatment needed
Hints for the physician / treatment
Treat symptomatically

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media
Foam, Dry powder, Carbon dioxide, Water spray jet.

Extinguishing Media to Avoid
Full water jet.

5.2 Special hazards arising from the substance or mixture
In the event of fire the following can be released: Pyrolysis products; Hydrocarbons; Carbon dioxide (CO_2); Carbon monoxide (CO); Hydrogen sulfide (H_2S); Nitrogen oxides (NO_x); Phosphorus oxides; Smoke.

5.3. Advice for firefighters
Special protective equipment for firefighting
In case of combustion use a suitable breathing apparatus. Wear full protective suit. Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Exclude sources of ignition and ventilate the area. Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product. Avoid breathing vapours.

6.2 Environmental precautions
Do not allow to enter drains or waterways. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up
Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4 Reference to other sections
Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Advice for safe handling
Avoid formation of oil dust. Hot product develops flammable vapours. Handle and open container with care. Avoid skin and eye contact.

Advice on protection against fire and explosion
Keep away from sources of heat and ignition. Do not smoke. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities
Recommended storage temperature
Value < 50 °C

Requirements for storage rooms and vessels
Keep only in original packaging.

Hints on storage assembly
Keep away from flammable substances.

Storage class according to TRGS 510
Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions
Keep container tightly closed and dry. Keep in a cool place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure limit values
Distillates (petroleum), hydrotreated heavy paraffinic
Type Oil mist
Value 5 mg/m³
Remarks TWA

Other information
There are not known any further control parameters.

8.2 Exposure Controls

Exposure controls	Technical measures for preventing exposition. Organisational measures for preventing exposition. Provide adequate ventilation. The type of personal protective equipment must be selected depending on the concentration and quantity of the hazardous substance at the workplace.
General protective and hygiene measures	Observe the usual precautions for handling chemicals. Store work clothing separately. Wash hands before breaks and after work. Cloths contaminated with product should not be kept in trouser pockets. Do not eat, drink or smoke during work time.
Respiratory protection	Not necessary, but do not inhale vapours. In situations where misting or flying may occur use appropriate certified respirators. Short term: filter apparatus, Filter A/P2
Hand protection	For this purpose, protective gloves are suitable, for instance, made by the company KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail: vertrieb@kcl.de with the following specification (tested as per EN374): Camatril (Item No: 731; Material: Nitrile; Minimum layer thickness: 0.33 mm; Burst time: 480 min) Dermatril (Item No: 740; Material: Nitrile; Minimum layer thickness: 0.11 mm; Burst time: 30 min) The protective gloves to be used must comply with the specifications of the EU directive 89/686/EEC and the standard EN374 derived from it. The above-mentioned burst times are based on laboratory measurements of KCL made as per EN 374 and are applicable only for this KCL product. Preventive skin protection by protective skin ointment.
Eye protection	Tightly fitting safety glasses.
Body protection	Clothing as usual in the chemical industry. Protective gloves resistant to chemicals

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid
Colour	Brown
Odour	Characteristic
pH value	Not applicable.
Melting point	No data available.
Freezing point	No data available.
Initial boiling point/boiling range	> 320 °C
Flash point (DIN ISO 2592)	> 210 °C
Pour point (DIN/ISO 3016)	< -24 °C
Lower explosion limit	0.6 Vol.%
Upper explosion limit	6.5 Vol.%
Density (at 15 °C)	0.880 to 0.890 g/cm³
Solubility in water	Insoluble
Viscosity kinematic (at 40 °C)	150 mm²/s
Viscosity kinematic (at 100 °C)	15.5 mm²/s

10. STABILITY AND REACTIVITY

10.1 Reactivity
No hazardous reactions when stored and handled according to prescribed instructions.

10.2 Chemical stability
Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4 Conditions to avoid
Oxidising agents.

10.6 Hazardous decomposition products
Refer to section 5.3.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute oral toxicity
Based on available data, the classification criteria are not met.

Acute dermal toxicity
Based on available data, the classification criteria are not met.

Acute inhalational toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Sensitization
Based on available data, the classification criteria are not met.
May cause sensitization by skin contact.

Mutagenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Other information
There are no details for the formulation/mixture itself.
It was classified in accordance with the calculation method of the directive (EC) No. 1272/2008 [CLP].

12. ECOLOGICAL INFORMATION

12.1 Toxicity
There are no data available on the mixture itself. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

12.2 Persistence and degradability
General information
There are no data available on the mixture itself.

Biodegradability
The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.

12.3. Bioaccumulative potential
There are no data available on the mixture itself.

12.4 Mobility in soil
There are no data available on the preparation/mixture itself.

12.5 Results of PBT and vPvB assessment
Evaluation of persistance and bioaccumulation potential
The product contains no PBT or vPvB substances.

12.6 Other adverse effects
General information / ecology
Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Disposal recommendations for the product
The waste code numbers/waste designations are to be assigned in accordance with EWC with reference to industrial fields and processes.
Disposal as per EC directive 75/442/ECC and 91/689/ECC on waste and hazardous waste in the current versions as amended from time to time.
Dispose of waste according to applicable legislation.
EWC waste code 13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils
Dispose of as hazardous waste.

Disposal recommendations for packaging
Packaging that cannot be cleaned should be disposed off as product waste.
Uncontaminated packaging may be taken for recycling.
Completely emptied packagings can be given for recycling.

14. TRANSPORT INFORMATION

Land transport ADR/RID
Non-dangerous goods.

14.1 UN number
UN –

14.2 UN proper shipping name
-

14.3 Transport hazard class(es)
Class –

14.4 Packing group
Packing group -

14.5 Environmental hazards
-

Marine transport IMDG/GGVSee
The product does not constitute a hazardous substance in sea transport.

14.1 UN number
UN –

14.2 UN proper shipping name
-

14.3 Transport hazard class(es)
Class –

14.4 Packing group
Packing group -

14.5 Environmental hazards
-

Air transport ICAO/IATA
The product does not constitute a hazardous substance in air transport.

14.1 UN number
UN –

14.2 UN proper shipping name
-

14.3 Transport hazard class(es)
Class –

14.4 Packing group
Packing group -

14.5 Environmental hazards
-

Information for all modes of transport

14.6 Special precautions for user
The relevant transport regulations have to be considered.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
No.

15. REGULATORY INFORMATION

15.2. Chemical safety assessment
For this preparation a chemical safety assessment has not been carried out.

16. Further Information

Hazard statements listed in Chapter 3
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure:
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3
Acute Tox. 4 Acute toxicity, Category 4
Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1
Asp. Tox. 1 Aspiration hazard, Category 1
Eye Dam. 1 Serious eye damage, Category 1
Skin Corr. 1B Skin corrosion, Category 1B
Skin Sens. 1A Skin sensitization, Category 1A
STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3 Specific target organ toxicity - single exposure, Category 3

Supplemental information
Relevant changes compared with the previous version of the safety data sheet are marked with: ***

The information in this SDS is correct to the best of our knowledge at the time of its publication. The information is intended to give you advice about the safe handling of the product named in this safety during storage, processing, transport and disposal. The details are not transferable to other products. The information given in this safety combination with any other materials or in any process, or undergoes processing, can use the information in this SDS, to the extent that it does not specifically indicate otherwise, are not transferred to the new made material. The material data referred to in item 9 are safety information, but no guarantees on properties. Warranties are excluded without clarification of the technical intended use and the operating conditions. If you have further questions, we are available.

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