

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

- **1.1 Product identifier**
- **Trade name:** GERMAN ADLER TX SYNT SAE 10W-30 CK-4
- **Article number:** T143
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Motor oil multigrade
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
GERMAN ADLER GmbH
Kennedyallee 93
D-60596 Frankfurt am Main
Tel.: +49 69 697 692 10
Fax: +49 69 697 692 15
- **Further information obtainable from:** info@German-Adler.com
- **1.4 Emergency telephone number:** Informationszentrale gegen Vergiftung Bonn, Tel.: +49 228 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Preparation of base oils and additives.

Dangerous components:

CAS: 68037-01-4 EINECS: 276-738-4 Reg.nr.: 01-2119486452-34	1-Decene, homopolymer, mit Wasserstoff behandelt ◆ Asp. Tox. 1, H304	2.5-10%
CAS: 36878-20-3 EINECS: 253-249-4 Reg.nr.: 01-2119488911-28	Reaktionsprodukt aus Aminobenzol, N-Phenol und verzweigtem Nonan Aquatic Chronic 4, H413	≤2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Take affected persons out of danger area and lay down.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

(Contd. on page 2)

EU

Trade name: GERMAN ADLER TX SYNT SAE 10W-30 CK-4

(Contd. of page 1)

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep people at a distance and stay on the windward side.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Avoid the formation of oil haze.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Note Regulation on facilities for the storage, filling and handling water-polluting substances. . .
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Storage in a collecting room is required.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 3)

EU

Trade name: GERMAN ADLER TX SYNT SAE 10W-30 CK-4

(Contd. of page 2)

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

Oilfog and Oilfumes	TLV-8h-TWA	5mg/m ³
	TLV-15min-STEL	10mg/m ³

· Additional information:

The lists valid during the making were used as basis.

Used engine oil may contain considered dangerous combustion products which can cause skin cancer. Any skin contact should be avoided by applying personal hygiene measures. (See Chapter 8)

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

· Respiratory protection: Not required.

· Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Not suitable are gloves made of the following materials: Leather gloves

· Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:

Fluid

Colour:

Dark brown

· Odour:

Characteristic

· Odour threshold:

Not determined.

· pH-value:

Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

· Pour point

-36 °C (DIN ISO 3016)

· Flash point:

236 °C (DIN ISO 2592)

· Flammability (solid, gas):

Not applicable.

· Decomposition temperature:

Not determined.

· Auto-ignition temperature:

Not determined.

· Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower:

Not determined.

(Contd. on page 4)

EU

Trade name: GERMAN ADLER TX SYNT SAE 10W-30 CK-4

(Contd. of page 3)

Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 15 °C:	0.856 g/cm ³ (DIN 51757)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	77 mm ² /s (DIN 51562)
· Solvent content:	
Solids content:	0.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** Rat oral : > 2000 mg/kg (Concawe Product dossier 01/54)
- **Primary irritant effect:**
- **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.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
Used engine oil may contain considered dangerous combustion products which can cause skin cancer. Any skin contact should be avoided by applying personal hygiene measures. (See Chapter 8)
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.

(Contd. on page 5)

EU

Trade name: GERMAN ADLER TX SYNT SAE 10W-30 CK-4

(Contd. of page 4)

· 12.2 Persistence and degradability Not easily biodegradable

· 12.3 Bioaccumulative potential

Due to the distribution coefficient *n*-octanol/water a worth-mentioning accumulation in organisms is not expected.

· 12.4 Mobility in soil No further relevant information available.

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.

Delivery of waste oil to officially authorised collectors only.

· European waste catalogue

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
-----------	---

· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· 14.1 UN-Number

· ADR, ADN, IMDG, IATA	Void
------------------------	------

· 14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA	Void
------------------------	------

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA	Void
------------------------	------

· Class

· 14.4 Packing group

· ADR, IMDG, IATA	Void
-------------------	------

· 14.5 Environmental hazards:

· Marine pollutant:	No
----------------------------	----

· 14.6 Special precautions for user	Not applicable.
--	-----------------

· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
--	-----------------

· UN "Model Regulation":	Void
---------------------------------	------

EU

(Contd. on page 6)

Trade name: GERMAN ADLER TX SYNT SAE 10W-30 CK-4

(Contd. of page 5)

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Information about limitation of use:** none
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

· Department issuing SDS: Product safety**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· Sources Concawe Product Dossier No.97/108. Concawe Product Dossier Nn. 01/54.**· * Data compared to the previous version altered.**

EU