



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

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

- **1.1 Product identifier**
- **Trade name:** OEST TOP-SYNTH 2 T
- **Article number:** 32551
- **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** Lubricating oil
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Georg Oest Mineraloelwerk GmbH & Co. KG
Georg - Oest - Str. 4
D-72250 Freudenstadt

Tel.: +49 (0) 7441 / 539-0
- **Further information obtainable from:**
Tel.: +49 (0) 7441 / 539 - 0
e-mail: productsafety@oest.de
- **1.4 Emergency telephone number:**
Tel.: +49 (0) 7441 / 539 - 0 (08:00 a.m. - 5:00 p.m.) or European emergency call 112

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:**
EUH208 Contains Calcium branched chain alkylphenate, Mannich. 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:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

EC number: 926-141-6 Reg.nr.: 01-2119456620-43	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics Asp. Tox. 1, H304	25-50%
Reg.nr.: Polymer	Polyolefin polyamine succinimide Aquatic Chronic 4, H413	0.1-<2.5%

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

GB

(Contd. on page 2)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

Trade name: OEST TOP-SYNTH 2 T

(Contd. of page 1)

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **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, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **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** No special measures required.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** 10
- **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)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

Trade name: OEST TOP-SYNTH 2 T

(Contd. of page 2)

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **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 necessary if room is well-ventilated.
Use suitable respiratory protective device only when aerosol or mist is formed.
- **Protection of hands:**



Protective gloves

- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
longterm contact:
NBR: thickness:0,425 mm; break trough: 240 - 480 min.
shortterm contact:
NBR: thickness 0,12; break trough: 10 - 30 min.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Goggles recommended during refilling

- **Body protection:** Protective work clothing

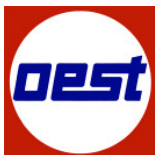
SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	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.
- **Flash point:** 90 °C (DIN ISO 2592)
- **Flammability (solid, gas):** Not applicable.

(Contd. on page 4)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

Trade name: OEST TOP-SYNTH 2 T

(Contd. of page 3)

· Ignition temperature:**Decomposition temperature:** Not determined.**· Auto-ignition temperature:** Product is not selfigniting.**· Explosive properties:** Product does not present an explosion hazard.**· Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**· Vapour pressure:** Not determined.**· Density:** 0,875 g/cm³ 15 °C (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:** 62 mm²/s 40 °C (DIN 51562T1)**· Solvent content:****Organic solvents:** 0.0 %**VOC (EC)** 26.00 %**· 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** No dangerous reactions known.**· 10.4 Conditions to avoid** No further relevant information available.**· 10.5 Incompatible materials:** No further relevant information available.**· 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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:****Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

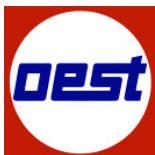
Oral LD50 > 5000 mg/kg (rat) (OECD 401, read across)

Dermal LD50 > 5000 mg/kg (rabbit) (OECD 402, read across)

Inhalative LC50 > 5 mg/l (rat) (OECD 403, read across)

· 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.

(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

Trade name: OEST TOP-SYNTH 2 T

(Contd. of page 4)

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Subacute to chronic toxicity:**

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	NOAEL subchronic	≥ 3000 mg/kg/d (rat) (OECD 408, read across)
------	------------------	--

Inhalative	NOAEL subchronic	> 10400 mg/m ³ 6h/d (rat) (OECD 403, read across)
------------	------------------	--

· **Toxicokinetics, metabolism and distribution** No further relevant information available.

· **Repeated dose toxicity** No further relevant information available.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

No further relevant information available.

· **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:**

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

EC50	> 1000 mg/l (algae) (OECD 201)
------	--------------------------------

> 1000 mg/l (daphnia) (OECD 202)

> 1000 mg/l (fish) (OECD 203)

NOEC	> 1000 mg/l (algae) (OECD 201)
------	--------------------------------

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **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** Must be specially treated adhering to official regulations.

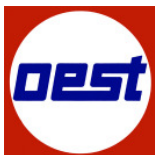
· **European waste catalogue**

13 02 06*	synthetic engine, gear and lubricating oils
-----------	---

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

Trade name: OEST TOP-SYNTH 2 T

(Contd. of page 5)

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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
· Class | Void |
| · 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 |

SECTION 15: Regulatory information

- * · **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
 - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 - **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:** productsafety@oest.de
- **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)
VOC: Volatile Organic Compounds (USA, EU)
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

(Contd. on page 7)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.09.2017

Version number 4

Revision: 19.01.2017

Trade name: OEST TOP-SYNTH 2 T

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
· *** Data compared to the previous version altered.**

(Contd. of page 6)

GB