

# EC-Safety Data Sheet

## according to Regulation (EC) 1907/2006 (REACH/GHS)

### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 1/8

#### 1 product and company identification

name of substance: Wunsch Record Multi HD-E2 SAE 15W-40

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Engine oil

##### 1.3. Details of the supplier of the safety data sheet

: Wunsch Öle GmbH, Am Sportplatz 7, 40882 Ratingen

person in charge: Udo Wunsch, Mail: udo.wunsch@wunsch-oele.de

##### 1.4. Emergency telephone number

emergency number: +49-2102-490000 (24h)

#### 2 hazards identification

##### 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No. 1272/2008

Not classified

- Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

##### 2.2 Label Elements

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

EUH-statements : EUH210 - Safety data sheet available on request

##### 2.3 Other hazards

No additional information available

#### 3 composition / information of ingredients

##### 3.1. Substances

Not applicable

##### 3.2 Mixtures

Comments : Highly refined mineral oils and additives

Name: Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50

Product identifier: (CAS-No.) 68784-26-9

(EC-No.) 701-251-5

(REACH-no) 01-2119524004-56

%: 0,1 – 2,5

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Aquatic Chronic 4, H413

Comments : The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

Full text of H-statements: see section 16

#### 4 first aid measures

##### 4.1 Description of first aid measures

- First-aid measures after inhalation :

Remove person to fresh air and keep comfortable for breathing.

- First-aid measures after skin contact :

Wash skin with plenty of water.

- First-aid measures after eye contact :

Rinse eyes with water as a precaution.

- First-aid measures after ingestion :

Call a poison center or a doctor if you feel unwell.

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

# EC-Safety Data Sheet

## according to Regulation (EC) 1907/2006 (REACH/GHS)

### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 2/8

Symptoms/effects : No additional information available.

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

Treat symptomatically

#### **5 fire fighting measures**

##### *5.1 Extinguishing media*

- Suitable extinguishing media :  
Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media :  
Do not use a heavy water stream.

##### *5.2 Special hazards arising from the substance or mixture*

- Fire hazard :  
Combustible liquid.
- Hazardous decomposition products in case of fire :  
Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

##### *5.3 Advice for firefighters*

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

# EC-Safety Data Sheet

## according to Regulation (EC) 1907/2006 (REACH/GHS)

### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 3/8

#### 6 accidental release measures

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

- For non-emergency personnel  
Emergency procedures : Ventilate spillage area.
- For emergency responders  
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

##### *6.2 Environmental Precautions*

Avoid release to the environment

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

- Methods for cleaning up :  
Take up liquid spill into absorbent material.
- Other information :  
Dispose of materials or solid residues at an authorized site

##### *6.4 Reference to other sections*

For further information refer to section 13.

#### 7 handling and storage

##### *7.1 Precautions for safe handling*

- Precautions for safe handling :  
Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures :  
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

- Storage conditions :  
Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.
- Storage temperature :  
0 - 40 °C

##### *7.3 Specific end use(s)*

No additional information available

#### 8 exposure controls / personal protection

##### *8.1 Control Parameters*

- National occupational exposure and biological limit values  
EU - Indicative Occupational Exposure Limit (IOEL)  
Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended: 5 mg/m<sup>3</sup> - ACGIH TLV (inhalable fraction)
- Recommended monitoring procedures  
No additional information available
- Air contaminants formed  
No additional information available
- DNEL and PNEC  
No additional information available
- Control banding  
No additional information available

##### *8.2 Exposure controls*

- Appropriate engineering controls:  
Appropriate engineering controls: Ensure good ventilation of the work station.
- Personal protection equipment

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## according to Regulation (EC) 1907/2006 (REACH/GHS)

### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 4/8

Personal protective equipment symbol(s):

- Eye and face protection  
Eye protection: Safety glasses  
Type: Safety glasses  
Field of application: Droplet  
Characteristics: clear  
Standard: EN 166
- Skin protection
  - Skin and body protection: Wear suitable protective clothing
  - Hand protection:  
Protective gloves  
Type: Reusable gloves  
Material: Nitrile rubber (NBR)  
Permeation: 6 (> 480 minutes)  
Thickness (mm): >=0,35  
Standard: EN ISO 374
  - Other skin protection  
Materials for protective clothing: Wear suitable protective clothing
- Respiratory protection  
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment
- Thermal hazards  
No additional information available
- Environmental exposure controls  
Environmental exposure controls: Avoid release to the environment

## 9 physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : Liquid  
Colour : brown.  
Odour : characteristic.  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : Not applicable  
Freezing point : -36 °C - ASTM D5950 (pour point)  
Boiling point : No data available  
Flash point : 228 °C - ASTM D92 (COC)  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Not applicable  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : No data available  
Density : 0,865 kg/l (15 °C) - ASTM D4052  
Solubility : Water: Insoluble / Slightly miscible  
Partition coefficient n-octanol/water (Log Pow) : No data available  
Viscosity, kinematic : 106 mm<sup>2</sup>/s (40 °C) - ASTM D7279  
Viscosity, dynamic : No data available  
Explosive properties : Presents no particular fire or explosion hazard.  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2 Other information

# EC-Safety Data Sheet

## according to Regulation (EC) 1907/2006 (REACH/GHS)

### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 5/8

VOC content : 0 %

#### 10 stability and reactivity

##### 10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

##### 10.2 Chemical Stability

Stable under normal conditions

##### 10.3 Possibility of Hazardous Reactions

Reacts violently with (strong) oxidizers.

##### 10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

##### 10.5 Incompatible Materials

No additional information available

##### 10.6 Hazardous Decomposition Products

No decomposition if stored normally.

#### 11 toxicological information

##### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

- Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)

LD50 oral rat > 5000 mg/kg bodyweight

LD50 dermal rabbit > 4000 mg/kg bodyweight

LC50 Inhalation - Rat > 1,67 mg/l (1h)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic 106 mm<sup>2</sup>/s (40 °C) - ASTM D7279

#### 12 ecological information

##### 12.1 Toxicity

- Ecology - general :

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

- Hazardous to the aquatic environment, short-term (acute)

Not classified

- Hazardous to the aquatic environment, long-term (chronic)

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### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 6/8

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LC50 - Fish [1] > 1000 mg/l (OECD 203 method)

EC50 - Crustacea [1] > 1000 mg/l 48h (Daphnia magna) [OECD 202]

EC50 - Other aquatic organisms [1] > 100 mg/l 96h (Crangon crangon)

ErC50 algae > 500 mg/l (OECD 201 method)

NOEC (acute) > 1000 mg/l 96h (Pimephales promelas) [OECD 203]

#### 12.2 Persistence and Degradability

- Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)

Persistence and degradability Not readily biodegradable.

Biodegradation 13,4 % Directive 67/548/CEE, Annex V, C.4.C.

#### 12.3 Bioaccumulative Potential

- Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)

Bioconcentration factor (BCF REACH) 2,2

Partition coefficient n-octanol/water (Log Pow) 9,5

#### 12.4 Mobility in Soil

- Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)

Ecology - soil Product adsorbs little onto the soil

#### 12.5 Results of PBT and vPvB assessment

- Component

Phenol, paraalkylation products with C10-15 branched olefins (C12-rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50 (68784-26-9)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6 Other Adverse Effects

No additional information available

# EC-Safety Data Sheet

## according to Regulation (EC) 1907/2006 (REACH/GHS)

### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 7/8

#### 13 disposal considerations

##### 13.1 Waste treatment methods

- Waste treatment methods :  
Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations :  
Dispose in a safe manner in accordance with local/national regulations.
- European List of Waste (LoW) code :  
13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

#### 14 transport information

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

- ADR
  - 14.1. UN number: Not regulated
  - 14.2. UN proper shipping name: Not regulated
  - 14.3. Transport hazard class(es): Not regulated
  - 14.4. Packing group: Not regulated
  - 14.5. Environmental hazards: Not regulated
  - No supplementary information available
- IMDG
  - 14.1. UN number: Not regulated
  - 14.2. UN proper shipping name: Not regulated
  - 14.3. Transport hazard class(es): Not regulated
  - 14.4. Packing group: Not regulated
  - 14.5. Environmental hazards: Not regulated
  - No supplementary information available
- IATA
  - 14.1. UN number: Not regulated
  - 14.2. UN proper shipping name: Not regulated
  - 14.3. Transport hazard class(es): Not regulated
  - 14.4. Packing group: Not regulated
  - 14.5. Environmental hazards: Not regulated
  - No supplementary information available
- ADN
  - 14.1. UN number: Not regulated
  - 14.2. UN proper shipping name: Not regulated
  - 14.3. Transport hazard class(es): Not regulated
  - 14.4. Packing group: Not regulated
  - 14.5. Environmental hazards: Not regulated
  - No supplementary information available
- RID
  - 14.1. UN number: Not regulated
  - 14.2. UN proper shipping name: Not regulated
  - 14.3. Transport hazard class(es): Not regulated
  - 14.4. Packing group: Not regulated
  - 14.5. Environmental hazards: Not regulated
  - No supplementary information available
- 14.6. Special precautions for user
  - Overland transport: Not regulated
  - Transport by sea: Not regulated
  - Air transport: Not regulated
  - Inland waterway transport: Not regulated

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### Wunsch Record Multi HD-E2 SAE 15W-40

Date: 27.05.2021 Revision 1.0/29.05.2019 Page: 8/8

Rail transport: Not regulated

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

#### 15 regulatory information

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

- EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 0 %

- National regulations

No additional information available

##### *15.2 Chemical safety assessment*

No chemical safety assessment has been carried out

#### 16 other information

- Full text of H- and EUH-statements:

Aquatic Chronic 4 Hazardous to the aquatic environment — Chronic Hazard, Category 4

H413 May cause long lasting harmful effects to aquatic life.

EUH210 Safety data sheet available on request.

Further information: Above information corresponds to our present knowledge and experience. It is not a guarantee that no errors or incomplete data may be contained.