

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

Printing date 15.04.2020

Revision: 15.04.2020

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

#### 1.1 Product identifier

Trade name: **CLASSIC HAMDIR UB 46 HEES**

#### 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 hydraulic oil

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

##### Manufacturer/Supplier:

Classic Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

DEUTSCHLAND

Telephone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: Productmanagement

#### 1.4 Emergency telephone number:

+44 892 0111

National Poisons Information Service (Cardiff Centre)

Gwenwyn Ward, Llandough Hospital

Penarth

CF64 2XX Cardiff

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms Void

Signal word Void

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

##### Additional information:

Contains Amines, C12-14-tert-alkyl. May produce an allergic reaction.

#### 2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate

List according to Article 59 of REACH.

##### 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:

CAS: 128-39-2	2,6-di-tert-butylphenol	<1.0%
EINECS: 204-884-0	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	

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**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:** In case of accident or unwellness, seek medical advice immediately.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

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

**After eye contact:**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After swallowing:**

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips ( dilution effect).

Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed or vomited, danger of entering the lungs.

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

Symptomatic treatment.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:**Sand. Foam. Carbon dioxide (CO<sub>2</sub>).Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

When burning strong soot development

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>)

#### 5.3 Advice for firefighters

**Protective equipment:**

Do not inhale explosion gases or combustion gases.

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

Wear protective clothing.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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).

Dispose contaminated material as waste according to item 13.

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### 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

Wear suitable protective clothing.  
Avoid formation of oil dust.  
Do not breathe vapors or spray mist.  
Avoid skin and eye contact.

#### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.  
Fire class B

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

#### Storage:

##### Requirements to be met by storerooms and receptacles:

Keep container tightly closed in a dry, cool and well-ventilated place.  
Use only receptacles specifically permitted for this substance/product.

##### Information about storage in one common storage facility:

Do not store together with: Gas. Explosives. Oxidizing substances.

##### Further information about storage conditions:

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

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.

### 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.

#### DNELs

128-39-2 2,6-di-tert-butylphenol

Worker DNEL, long-term dermal systemic:	11,25 mg/kg bw/day
Worker DNEL, long-term inhalation systemic:	70,61 mg/m <sup>3</sup>
Consumer DNEL, long-term inhalation systemic:	20,9 mg/m <sup>3</sup>
Consumer DNEL, long-term oral systemic:	6,75 mg/kg bw/day

68955-53-3 Amines, C12-14-tert-alkyl

Worker DNEL, long-term inhalation systemic:	12.5 mg/m <sup>3</sup>
Worker DNEL, long-term inhalation local:	12.1 mg/m <sup>3</sup>

#### PNECs

128-39-2 2,6-di-tert-butylphenol

Freshwater:	0.001 mg/l
Freshwater (intermittent releases):	0.004 mg/l
Marine water:	0.0001 mg/l
Freshwater sediment:	0,317 mg/kg
Marine sediment:	0,0317
Secondary poisoning:	60 mg/kg
Micro-organisms in sewage treatment plants (STP):	10 mg/l
Soil:	0,063 mg/kg

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Freshwater:	0.001 mg/l
Freshwater (intermittent releases):	0.004 mg/l
Marine water:	0 mg/l
Freshwater sediment:	2.14 mg/kg
Marine sediment:	0.214 mg/kg
Secondary poisoning:	4.71 mg/kg
Micro-organisms in sewage treatment plants (STP):	0.635 mg/l
Soil:	0.428 mg/kg

### Additional Occupational Exposure Limit Values for possible hazards during processing:

Air limit values:

Possibility of exposure to Aerosol (Mineral oil )

Limit value (TLV-TWA ) = 5 mg/ m<sup>3</sup> - Source: ACGIH

Limit value (TLV-STEL ) = 10 mg/ m<sup>3</sup> - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

**Additional information:** The safety data sheet of the pre-supplier served as the basis for the creation.

## 8.2 Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

Provide adequate ventilation.

Clean skin thoroughly after working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Contaminated work clothing should not be allowed out of the workplace.

#### Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at:

-aerosol or mist formation

-exceeding exposure limit values.

Recommended filter type: A2, A2P2, ABEK

#### Protection of hands:



Protective gloves

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

#### Material of gloves

Nitrile

Neoprene

Viton

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.

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**Eye protection:**



Tightly sealed goggles

**Body protection:**

Heavy flammable, oil-repellent protective clothing  
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**General Information**

**Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	-
<b>Odour:</b>	-
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not determined.

**Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

**Flash point:** 267 °C

**Flammability (solid, gas):** Not applicable.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure:** Not determined.

<b>Density at 15 °C:</b>	0.921 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

**Solubility in / Miscibility with water:** Not miscible or difficult to mix.

**Partition coefficient: n-octanol/water:** Not determined.

**Viscosity:**

<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C:</b>	46.4 mm <sup>2</sup> /s

**Solvent content:**

**VOC (EC)** 0.00 %

**9.2 Other information** Pour point: -45 °C

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### 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:** Materials to avoid: Strong oxidizing agents

**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:**

128-39-2 2,6-di-tert-butylphenol

LD50: >5000 mg/kg Rat oral ECHA Dossier OECD 401

LD50: >2000 mg/kg Rat dermal ECHA Dossier

68955-53-3 Amines, C12-14-tert-alkyl

LD50: 552 mg/kg Rat oral ECHA Dossier OECD 401

LD50: 251 mg/kg Rat dermal ECHA Dossier OECD 402

LC50: 1,19 mg/l Rat inhalation (4 h) vapour ECHA Dossier OECD 403

ATE: 0,05 mg/l inhalation aerosol

**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**

Contains Amines, C12-14-tert-alkyl. May produce an allergic reaction.

Skin sensitisation:

Amines, C12-14-tert-alkyl / 50% H3PO4: 1 : 1 (SCL: 50%)

Test results: no danger of sensitization.; Method: OECD, GLP compliant, modified Buehler assay, Species:

Guinea-pig. Literature information: Manufacturer

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

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

2,6-di-tert-butylphenol:

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test), OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative. Literature information: ECHA Dossier; During animal experiments no indications of reproductive toxicity were observed.

-Screening; Literature information: ECHA Dossier

**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.

2,6-di-tert-butylphenol:

Subchronic oral toxicity: Method: OECD Guideline 408; Species: Han Wistar Rat.; Exposure time: 90d. Result: NOAEL > 270 -298mg/kg; Literature information: ECHA Dossier

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

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

128-39-2 2,6-di-tert-butylphenol

Acute fish toxicity: LC50 1,4 mg/l 96 h Pimephales promelas ECHA Dossier

Acute algae toxicity: ErC50 1,4 mg/l 72 h Pseudokirchnerella subcapitata ECHA Dossier

Acute crustacea toxicity: EC50 0,45 mg/l 48 h daphnia magna ECHA Dossier

Fish toxicity: NOEC 0,053 mg/l 42 d Oryzias latipes ECHA Dossier

Crustacea toxicity: NOEC 0,023 mg/l 21 d Daphnia magna ECHA Dossier

68955-53-3 Amines, C12-14-tert-alkyl

Acute algae toxicity: ErC50 0,44 mg/l 72 h Pseudokirchnerella subcapitata ECHA Dossier  
OECD 201

#### 12.2 Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

##### Other information:

128-39-2 2,6-di-tert-butylphenol

OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F

4,5 28d ECHA Dossier

Not easily bio-degradable (according to OECD-criteria).

68955-53-3 Amines, C12-14-tert-alkyl

OECD 301D / EEC 92/69 annex V, C.4-E

22 % 28d ECHA Dossier

Not readily biodegradable (according to OECD criteria)

#### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
128-39-2	2,6-di-tert-butylphenol	4,5
68955-53-3	Amines, C12-14-tert-alkyl	2,9

#### 12.4 Mobility in soil

No further relevant information available.

##### Ecotoxicological effects:

**Remark:** Harmful to fish

##### 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.

Harmful to aquatic organisms

#### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**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** Dispose of waste according to applicable legislation.

##### European waste catalogue

15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP14	Ecotoxic

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**Uncleaned packaging:**

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

### SECTION 14: Transport information

**14.1 UN-Number**

ADR, IMDG, IATA not regulated

**14.2 UN proper shipping name**

ADR, IMDG, IATA not regulated

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA  
Class not regulated

**14.4 Packing group**

ADR, IMDG, IATA not regulated

**14.5 Environmental hazards:**

Not applicable.

**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":**

not regulated

### 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**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category** Not subject to 2012/18/EU (SEVESO III)

**REGULATION (EC) No 1907/2006 ANNEX XVII REACH 1907/2006 Appendix XVII, No (mixture):** 3

**Regulation (EU) No 649/2012**

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not relevant

**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**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Department issuing SDS:** Department Product Safety

**Contact:** Produktmanagement

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**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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Sources** The safety data sheet of the pre-supplier served as the basis for the creation.

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